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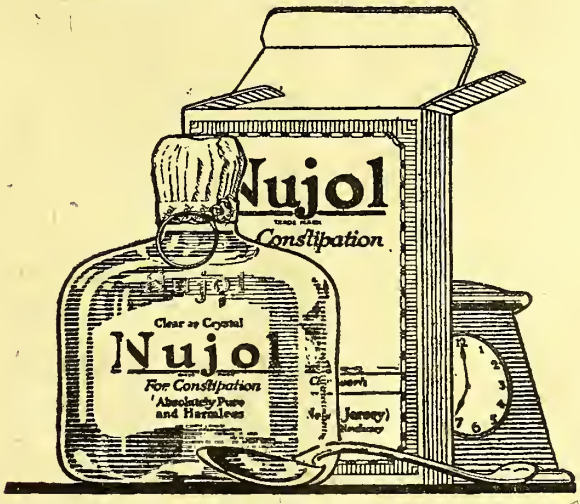

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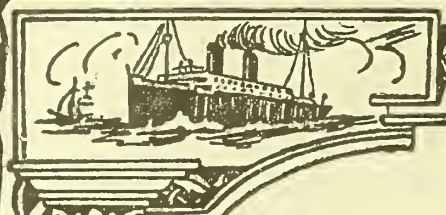

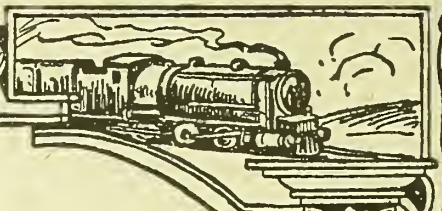

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Saccharin Tablets

The Finest yet offered. Soluble.
Immediate Delivery from Stock.

1 lb.	...	...	£7 0 0 per lb.
5 lb.	...	...	£6 18 9 „
10 lb.	...	...	£6 18 3 „
50 lb.	...	...	£6 17 6 „
100 lb.	...	...	£6 16 6 „

CASH WITH ORDER. CARRIAGE PAID.
BENNET & CO., Cromwell House,
HOLBORN, LONDON, W.C. 1.

SACCHARIN TABLETS

Full Strength, ½-gr. 330 in 1 grain guaranteed.
1 lb., 100/- 5 lb. @ 99/- 10 lb. @ 98/-
10,000 @ 14/2 50,000 @ 14/- 100,000 @ 13/9
¼-gr. 330 in 1.
10,000 @ 11/3 50,000 @ 10/9 100,000 @ 10/6
Cash with Order. Carriage Paid.

R. GIBBINS & CO. Wholesale Tablet Manufacturers.
1 Birkbeck Road, Kingsland, London, E. 8.

Great Reduction in Prices

OWING to reduced cost of production and to the enormous demand for Turner's Saccharin Tablets the manufacturers are able to offer their customers the advantage of greatly reduced prices. No alteration whatever will be made in the quality—the usual full strength (as advertised) being guaranteed. Send your order to-day and ensure prompt delivery.

Saccharin Tablets

330 strength in a one-grain tablet.
7,000 tablets—one pound in weight.

		½-GRAIN	⅓-GRAIN	¼ GRAIN
10,000	@	19/-	15/6	12/-
20,000	@	18/9	15/3	11/9
30,000	@	18/6	15/-	11/6
40,000	@	18/3	14/9	11/3
50,000	@	18/-	14/6	11/-
100,000	@	17/6	14/-	10/6

Prices quoted at per 1000 tablets.
Packed free in half-pound boxes.

A small extra charge is made (to cover the actual cost only) for packing in bottles, boxes or envelopes to suit customers' own requirements.

Dept. A, BROAD STREET HOUSE,
LONDON, E.C. 2.

Works, SOUTHCHURCH, ESSEX.

Telephone: London Wall 7162.
Telegrams: "Urchemicam, Ave, London."

"EMPIRE"

SACCHARINE

INSOLUBLE - GUARANTEED U. S. P. 550.

Spot and Forward Deliveries

Also METHYL SALICYLATE.

WRITE

GASTON, WILLIAMS & WIGMORE, Ltd.

20 BISHOPSGATE, E.C. 2.

TELEPHONE: London Wall 3040. T. A.: "Gastonorge, London." (1)

Saccharin Tablets

AND

SACCAS TEA SWEETENERS

SACCHARIN TABLETS, ¼ grain (330) 11/9 per 1000
SACCAS SWEETENING TABLETS - 10/- per 1000

SACCAS SWEETENING POWDER
IN PACKETS.

Equal to ¼ lb. sugar, 3/10 per doz.
" " ½ " " 7/6 " "
" " 1 " " 14/- " "

CONFECTIONERS'
SWEETENING POWDER
16 times sweeter than sugar, 15/- per lb.
£76 per cwt.

Prompt free delivery. Cash with order.

THE THAMES CHEMICAL CO., LTD.
12 Norfolk Street, Strand, W.C. 2

SACCHARIN TABLETS.
CHEAPEST AND BEST. STRENGTH GUARANTEED
gr. 330 in 1. 5,000 @ 11/3 per 1,000. 10,000 @ 11/-. 25,000 @ 10/9. 100,000 @ 10/3.
½ gr. 330 in 1. 5,000 @ 17/- per 1,000. 10,000 @ 16/9, 25,000 @ 16/6. 100,000 @ 16/-.
Prompt Delivery. Cash with Order.
READER, 28 Aspinall Rd., Brockley, London, S.E. 4.

DAMANCY & CO., HARROW
SACCHARIN (Monsanto) TABLETS
¼ grain 330 in each tablet.
10/6 per 1,000; 10/- per 1,000 for 20,000; 9/6 per 1,000 for 100,000. Reduction for larger quantities. Cash with order. Carriage paid.

FOR SALE.
HARD WHITE BLOCK.
10 cwt. Redistilled STEARINE, 120/122 M.P.
3 tons NEUTRAL FAT - 126/128 M.P.
190/- per cwt., or nearest bid.
Box 236/34, Office of this Paper.

PAPER
100 Reams strong Brown Tissue, 18×28 in., 16/6 per ream. Cash with Order. 10 reams Carriage Paid. Also Browns and Krafts in stock.
D. W. BULL, 4 CHURCHILL ROAD, HOMERTON, E. 9.

SACCHARINE TABLETS.

EACH TABLET ONE GRAIN. GUARANTEED.

		¼-gr.	⅓-gr.	½-gr. in each	
5,000	-	11/6	15/9	17/3	per 1,000
10,000	-	11/3	15/6	17/-	,,
50,000	-	10/9	15/-	16/6	,,
100,000	-	10/6	14/9	16/3	,,

Large quantities equally low price. Analysis invited.
Each thousand packed in box.

CARMOL MANUFACTURING CO.
(Actual Manufacturers)
28 BATH ROW, BIRMINGHAM.

ORION BRAND.

SACCHARIN 550

Orion and Monsanto Brands
READY ON SPOT.

APPLY TO DIRECT SHIPPERS—
LINTON, HUBBARD & ANDREW, 72-75 Fenchurch St., London, E.C. 3
Telephone: 1892 Avenue. A B C and Lieber's Codes. Cables and Telegrams: "LINTEOLO LONDON."

Eucalyptus Oil B.P.

PERRY & HOPE LTD.
1 Leadenhall Street, London, E.C. 3.

Telegrams - "PERRYOPE, LED, LONDON."
Telephone - - AVENUE 5661 (3 lines).

"Strodonia"
VANISHING CREAM

For displaying a small showcard, we make the following offer on INITIAL DIRECT ORDERS (One parcel only):—

1½ dozen	7½d.	selling for	11	3
¾ ,,	1/-	,, ,,	9	0
For 10/- cash with order, carriage paid.			20	3

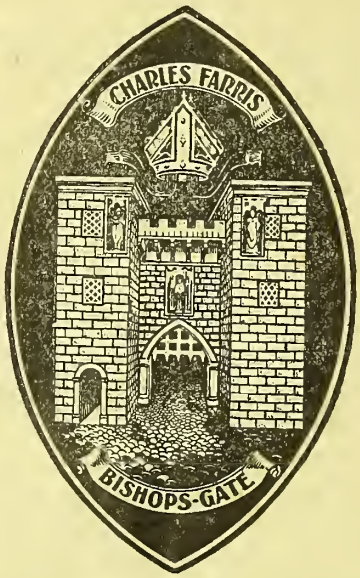
Orders value £5 subject to 10% discount and 1 doz. 1/- size bonus for window display, showing 38% on Turnover.

STRODE COSH & PENFOLD, Manufacturing Chemists, LOWER UNION ST., BRISTOL.

"FARRIS'S"

Real Old-fashioned Genuine Air Bleached

BEES WAX



The ONLY Actual MANUFACTURING WAX CHANDLER in the City of London.

"FARRISOL"

ENGLISH MADE

WHITE MEDICINAL OIL, B.P.

(PARAFFINUM LIQUIDUM, from Pure Russian Oils).

Guaranteed to exactly conform to B.P. tests.

RECOMMENDED AND ADOPTED BY THE HIGHEST MEDICAL AUTHORITIES.
ABSOLUTELY ODOURLESS AND TASTELESS.

Consumers should insist upon a thorough test, as there are so-called white oils on the market which lack the pure ingredients and the special treatment absolutely essential to produce the B.P. article. By purchasing from Charles Farris you secure the guarantee of an old-established House and complete satisfaction. Samples and prices for comparison free on application.

Large Stocks always Ready for Immediate Delivery.

Bees Wax, Spermaceti, Paraffin Wax, Candles, Olive Oil Soap, Pure Olive Oil, Lubricating Oils. Insulating Fluid and Wax. Special Refiner of Oils for the fine Clockwork of Telegraphic Instruments. OIL REFINER TO H.M. GOVERNMENT.

The only actual Manufacturing Wax Chandler in the City of London.

CHARLES FARRIS, 71 BISHOPSGATE, LONDON, E.C.

Works—HELMET COURT, BISHOPSGATE, E.C.

Warehouses & Stores—91 & 93 BISHOPSGATE, and 12 WORMWOOD ST., E.C.

Telephones: LONDON WALL, 9397 and 9398. Telegrams: "WAXINESS, LED, LONDON."

TELEPHONE: CITY 7 PRIVATE BRANCH EXCHANGE
TELEGRAMS: ELEVEN CENT LONDON

S·MAW·SON & SONS LTD
7/12 ALDERSGATE STREET
LONDON
ENGLAND

CABLES: ELEVEN LONDON
CODE: A:B:C 4TH & 5TH EDITION

Maw's Page.

NUMBER 374. DEC. 14, 1918

USEFUL NASAL DOUCHES

THE "SIMPLEX" — This Nasal Douche, as its name denotes, is simple in construction, easy to use, gives excellent results, and withal *cheap* (Fig. B3933/B). Put up each in card box - **18/-** per dozen.

Fig. B3933/B.

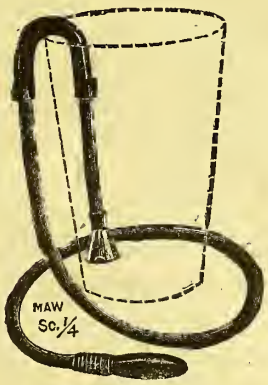


Fig. 1143/B.

A cheap form of Syphon Douche is depicted in Fig. 1143/B consisting of vulcanite bend and nozzle with metal sinker and 3 ft. of black tubing.
20/6 - . - per dozen.

The M.P. All Pharmacists vote for:—

MAW'S PAGE. X

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS.

NOTICE

THE THERMOGENE COMPANY desire to inform their friends that the unprecedented demand for Thermogene lately experienced has taxed the capacity of the Works to the utmost. Some delay in delivery has taken place. It is confidently hoped, however, that the trouble will soon be overcome. In the meantime buyers are informed that no advantage can be gained by diverting their orders to the Thermogene Company, as these will be returned with a request to apply to usual wholesaler.

Important Notice

We are anxious to have a Chemist in every town and village who will stock Sphagnol Soaps and Ointment, and to whom we can refer local enquiries and orders.

We offer very liberal terms, and there is a really good margin of profit.

Many Chemists are already stocking Sphagnol, but we are constantly informed that there is difficulty in obtaining it and our Customers are consequently put to much inconvenience.

We are daily receiving many wonderful testimonials from Doctors, Nurses, and private users as to the efficacy of Sphagnol Ointment and Soaps in the treatment of Chilblains, Eczema, Acne, Psoriasis, Hæmorrhoids, Wounds, Burns, and other forms of Skin Inflammation, and they can be recommended with absolute confidence.

MAY WE FILE YOUR NAME AS THE SUPPLIER FOR YOUR TOWN?

Further particulars, leaflets and showcards can be obtained on application to

PEAT PRODUCTS (SPHAGNOL) LTD.
19 Queenhithe, Upper Thames St., London, E.C.4.

CHILBLAIN STICKS

THE "ARTIC"

P. J. F. 2823.

COMMANDS A QUICK & READY SALE

BECAUSE

IT IS A RELIABLE AND TESTED REMEDY FOR BROKEN OR UNBROKEN CHILBLAINS

IT is Packed in Attractive Cartons & Show Boxes that Sell at Sight.

IT Shows Good Profits. (Protected P.A.T.A.)

6D. size 4/- per dozen.
1/- „ 7/6 „ „
Show Cards and Show Boxes FREE.

GODDON & COKE, Manufacturing Chemists,
49 LAMB'S CONDUIT STREET, LONDON, W.C.

Or the WHOLESALE LONDON HOUSES: Messrs. BUTLER & CRISPE; F. NEWBERY & SONS, R. J. REUTER; HOCKIN WILSON'S; ROYLE & CO.; and LORIMER & MOYES, GLASGOW.

Enolin

TOOTH PASTE

"STRONG" OR "MILD"

The Super Paste.

SOLE MANUFACTURERS & PROPRIETORS:
A. & E. CARRERAS, *Perfumers,*
Offices: 207 King St., Hammersmith, London, W. 6.

Telephone:
HAMMERSMITH 600.
Telegrams:
"ESOLINDOL, HAMMER, LONDON."

PROFIT 100%

RETAIL **1/6** PRICE

ADVERTISED IN
LADIES' JOURNALS.

LYSOLINE

THE ONLY
REAL
HAIR TONIC

Send for the "Special Offer" Parcel with Showcards, and give it a **WINDOW DISPLAY.** We guarantee you good results, being the only genuine Dandruff Remover on the market. It repeats and recommends itself.

Our Special Window Display Offer.

Please send me, Carriage Paid, with Showcards:

3 dozen Lysoline Hair Tonic at 12/- per dozen,
and 1 dozen Bonus - - Free of Charge,

for which I enclose cash **36/-** herewith, and undertake to make Counter and Window Display in return for above terms.

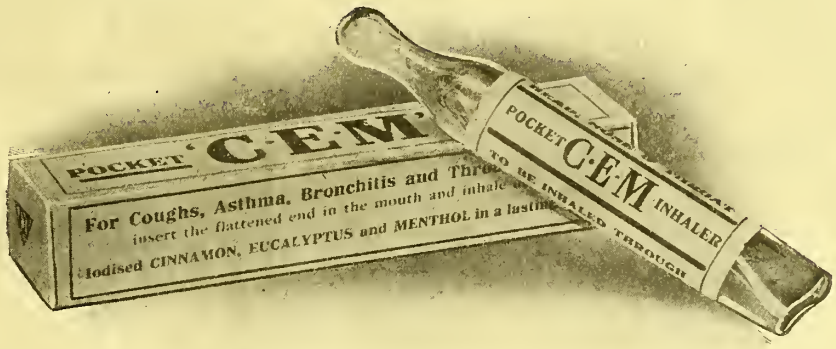
Name .....

Address .....

LYSOL LTD. Stratford, LONDON, E.15.

1868 to 1918

"See, Winter comes to rule
the varied year,
Sullen and sad, with all his
rising train,
Vapours, and clouds, and
storms."—*Thomson.*



The Inhaler treatment

is convenient. You put the Inhaler to the nostril, and the comfort is immediate and complete.

Repeated inhalations have a healing effect, and we suggest one of our **C.E.M. Inhalers** could, with advantage, be sold with every Influenza remedy that is handed over the counter.

C.E.M. Inhalers were introduced last summer to cope with the first Influenza outbreak; they have rendered excellent service ever since.

PRICES ARE—

Retail	**7½d.**	each
Wholesale	**4/9**	per dozen
"	**54/-**	per gross

THE INHALERS ARE PACKED TWELVE ON A CARD

AYRTON, SAUNDERS & CO. LTD.

Manufacturing Chemists **LIVERPOOL**

P.A.T.A. NOTICE.

113 Temple Chambers, E.C. 4.

The following prices will come in force as from the date of this issue:—

Advert. Price.		Minimum Retail Price.	Minimum Wholesale Price.
	Evans Sons Lescher & Webb, Ltd.		
5/6	Savaresse's Santal Capsules... ...	5/6	53/-
	£5 orders assorted with other specialities 5 % discount.		
Large	**Contrexeville**-Pavillon ...	16/3 doz. / 65/- case of 50	13/9 doz. / 55/- case
Small	"	10/3 doz. / 45/- case of 50	9/9 doz. / 38/- case.
1/6	**McDougall's** Kur-mange	1/6 / 16/6 doz.	12/- less 2½ % cash at 1 mth.
2/6	**Rhuaka** Digestive Syrup	2/6	22/6 less 1½ % cash at 7 days
1/3	**Stuart's** Dyspepsia Tablets ...	1/3	12/-
2/6	" Catarrh " ...	2/6	24/-
5/-		5/-	48/-
1/3	" Calcium Wafers ...	1/3	1 /-
2 6	" " " ...	2 6	24/-

All goods now stamped for Ireland I. of M., and C.I. Carriage paid on 1 gross 1/3 or equivalent.

Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow and golden, for pharmaceutical purposes.

MANUFACTURED SOLELY BY

The Dee Oil Company, Ltd.

Delta Works . Bootle . Liverpool.

Packed in barrels, kegs and smaller packages according to requirements.

Inquiries are solicited for this article of **BRITISH MANUFACTURE,** and buyers may rely that for quality and price it will meet any competition

Other Grades

Petroleum Jellies, White Bases, &c.

Samples and prices on application.

"**OLEUM DEELINÆ,**" a certain cure for Eczema.

Phone: 186 Bootle. Wires: "Cestrian Liverpool."

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

HULL.

INVITE the Trade to take up the following valuable P.A.T.A: Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	9d.	6/6
" " " bottles in cartons	2/-	16/-

**Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.*

LOSALL'S COMPOUND SULPHUR SOAP.

	Box.	Doz.
A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box @ 8d.	2/-	18/-

'Ongard' Guarded Coil Safety Pins

REGD TRADE MARK

RUST PROOF.

For Surgical & Nursery Purposes.

SOLE MANUFACTURERS

GEORGE GOODMAN LTD.,
BIRMINGHAM.

Stocked by **J. L. HATRICK LTD., LONDON.**

ON THE P.A.T.A The Proprietors of

"SoToL" Antiseptic Mouth & Throat WASH

beg to introduce to Pharmacists their new

SOTOL non-Carbolic TOOTH POWDER

Sold in boxes at 1/- each, and to the trade at 8/- per doz.; 7/9 by 6 doz.; 7/6 per doz. in gross lots and up.

THE WESTERN DENTAL MFG. CO., LTD.
74 Wigmore St., London, W.1. Laboratories: W. Ealing, London, W.13.

LABORATORY OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.

LONDON AGENTS:
WILCOX, JOZEAU & Co., 49, Haymarket, S. W.

CHAPOTEAUT'S CAPSULES of PHOSPHOGLYCERATE of LIME.

THE BEST TONIC FOR FORTIFYING AND BUILDING UP THE NERVOUS SYSTEM.

Sold by all Chemists.
Wholesale: 8, Rue Vivienne, PARIS.

MORRHUOL CHAPOTEAUT

CAPSULES

MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste.

It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.

SOLD BY ALL DRUGGISTS.

CHANDRON'S DROPS
(Gouttes des Colonies)

A harmless antiseptic preventative against CHOLERA-FERMENTATION-INDIGESTION & other intestinal disturbances.

SOLD BY ALL CHEMISTS

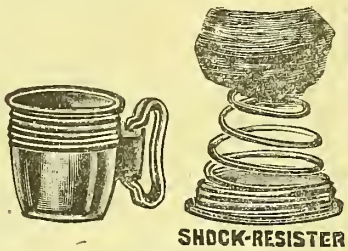
LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.

JUST IN TIME FOR XMAS TRADE

IMMEDIATE DISPATCH SUBJECT TO CARRIERS' ACCEPTANCE AND BEING UNSOLD.

VACUUM FLASKS

JAPANESE MAKE. JAPANNED CASE. ASSORTED COLOURS. NICKEL-PLATED SCREW CUP, FITTED WITH INSULATED WIRE HANDLES, AND SHOCK-ABSORBING SPRING AT BOTTOM.



SHOCK-RESISTER

Approximate Capacity, 1 pt.
COMPLETE WITH BOTTLE
12/6 each.
Extra Linings for same 6/- each.

Carriage forward ex Birmingham.

TOILET PAPER
(IN PACKETS)

FOR SANATORIUM AND PRIVATE USE

WHITE NEWS
In packets, 200 sheets,
120/- gross packets.

A.R. NATURE
In packets, 192 sheets,
105/- gross packets.

BUFF NATURE
In packets, 200 sheets,
120/- gross packets.

M.G. CAP
In packets, 192 sheets.
120/- gross packets.

CARRIAGE PAID IN LOTS OF TWO GROSS.
Sample Packets on Application.
Special Prices Quoted if Certificate is Given with Order.

SUBJECT TO CASH SETTLEMENT—MONTHLY TERMS ONLY.

HOODS LTD., INTERNATIONAL EXCHANGE, EDMUND STREET, BIRMINGHAM

Telegrams: "Hood Birmingham." Telephone: Central 6973 (5 Lines).

"HALACO" THE SIGN OF QUALITY.

HONEY—Finest White Set

Nominal 1-lb. Glass Containers, 28/- doz.
" " Wood Pulp " 26/- "
Net Cash.

SWEETENING POWDER
"HALACO" The Record Seller

7½d. packets, 54/- gross, net.
Cash with order.

BAKING POWDER
The Best, 1/10 lb.

SOOTHERS From 11/6 gross.

SANITARY TOWELS
1's 12/6, 2's 18/- gross.

SEND FOR LIST.

HASTING, LANG & CO., LTD.
Wholesale Druggists & Manufacturing Chemists.
1 ROMAN ST., CHURCH ST., MANCHESTER.

For New Year Trade and . . . afterwards . . .

There is no surer way to catch the attention of the potential customer than by a striking display in the open dressing style. By the use of a few Haskins' Oak Pedestals and Glass Shelves an extraordinary number of different changes may be made, quickly and at little expense.

We have a good selection of fittings and stands at moderate prices suitable for the up-to-date Chemist and Pharmacist.

Write for full particulars and prices which will be sent post free.

Saml. HASKINS & BROS. Ltd.
20-34 OLD ST., LONDON, E.C. 1.

ESTABLISHED 1876 TRADE MARK B.W. H & S

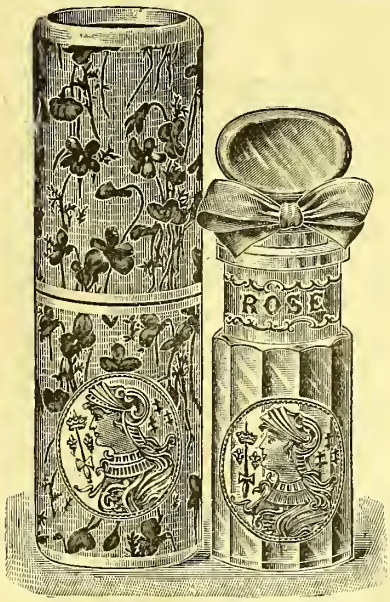
EVERY CHEMIST
Should Stock HAIR'S
ONE DROP
Perfumes

"ONE DROP" Perfumes are in constant demand on account of their delicate, refreshing, dainty and lasting fragrance. The elegant non-leaking bottle, with handsome glass stopper fitted with rod, enhances the value of these charming perfumes. Numerous varieties, all faithful to the flowers they represent, can be obtained from stock. Their well-deserved popularity is beyond dispute, and hundreds of Chemists have *proved* the wisdom of keeping a useful stock.

12/- per doz. net. Retails at 2/0 each. Sample sent upon application.

VARIETIES:

Acacia
Bergamot
Cassie
Eau de Cologne
Forget-me-not
Frangipanne
Hawthorn
Heliotrope
Honeysuckle
Jasmin
Lilac
Lily of the Valley
Mignonette
Moss Roses
Musk
Narcissus
New-Mown Hay
Opoponax



VARIETIES:

Orange Blossom
Orris
Patchouli
Primrose
Rose
Sweet Pea
Tea Rose
Vanilla
Violet
Wallflower
White Heliotrope
White Lilac
White Lily
White Orris
Wild Hyacinth
Wild Roses
Wild Violets
Wood Violet
Ylang Ylang

Attractive Showcard supplied free.

B.W. HAIR & SON
Manufacturing Chemists & Wholesale Druggists, Druggists' Sundriesmen &c.,
104, HIGH HOLBORN, LONDON, W.C.1.

"I have used your Tablets with the most perfect and satisfactory results. The patients I treated with your tablets did not complain of either sickness or depression."

L.R.C.P., L.R.C.S.

"I find your Acid Acetyl-Sal. is the nicest make of that article that I have had so far."

A Pharmacist.

VIS-À-VIS.

In the Trade Report of the "C. & D." for Nov. 9 appears the following:—

"ASPIRIN.—Several defective parcels are being offered on the market, so that caution is advised."

The question arises—What is the ultimate use to which such parcels of spurious Aspirin are put? Think it over!

We were among the pioneers in establishing the Aspirin manufacture as an all-British Industry, and think we may modestly claim to be producers of Aspirin, which is both physically and chemically the equal of that of German origin—moreover, in our tablets nothing but best grade Aspirin is used *Verb. Sap.*

ASPIRIN TABLETS, 5-GRAIN.

Bottles of 25×5 gr. ... ... 7/6 per doz. net.
" 100×5 gr. ... ... 25/- " "

Name and Address free on 3 doz. small or 2 doz. large size.

CARRIAGE PAID. *PROMPT DISPATCH.*

MENLEY & JAMES, Ltd.,
"Menley House," Farringdon Rd., **LONDON, E.C.**

"The sample of Acid Acetyl-Sal. is certainly as good as Bayer's. I have seen a lot of samples lately and all have more or less free Salicylic Acid and the acetic odour predominant."

Another Pharmacist.

"I find my customers prefer your Aspirin Tablets to any other make—therapeutically they are excellent and they are compressed just to the right point."

Yet another Pharmacist.

A Safe & Indispensable Family Remedy

EUSALINE

The foremost place which EUSALINE now occupies in public appreciation amongst Natural Fruit Salines has been won by its outstanding merits.

QUALITIES:
Cooling
Refreshing
Cleansing
Sparkling
Palatable

As a Morning Tonic **EUSALINE** is unrivalled, it quickly corrects all indiscretions in eating and drinking—sweetens the stomach, cleanses the system and purifies the blood.

AN ALL-THE-YEAR SELLER. KEEPS IN ALL CLIMATES.

A FAVOURITE WITH CHILDREN.—Its inviting sparkle, pleasing taste and flavour are particularly acceptable to children, who will take EUSALINE when they refuse all other aperients.

WHOLESALE TERMS.

EUSALINE is Retailed at **2/-** per bottle, Wholesale price. **18/-** per dozen. Discount 15% and Carriage Paid on **£5** orders. Can also be had in boxes containing 13 packets, to retail at **1½d.** per packet, and **1/6** per box. Wholesale price, **13/-** per gross. Discount **15%**, plus bonus, according to quantity ordered. Carriage Paid on **£5** orders.

GEORGE WALKER & SON, Ltd.
Reid Street, Bridgeton - GLASGOW.

ESTABLISHED 1860.

DISTINGUISHABLE FROM ALL OTHER PREPARATIONS BY ITS GRANULAR FORM, WHICH ENSURES A DEGREE OF MEDICINAL ACTIVITY AND FRESHNESS HITHERTO UNOBTAINABLE.

The EVAN WILLIAM'S
ORIGINAL
Henna Shampoo

WE ARE THE HENNA SHAMPOO SPECIALISTS.

Our factories are devoted entirely to the study, development and production of the **EVAN WILLIAMS' ORIGINAL HENNA SHAMPOO.**

Evan Williams' is the only genuine and reliable Henna Shampoo, and is guaranteed to give complete satisfaction. It is advertised in the whole of the national press which appeals specially to women, and ladies in daily increasing numbers are adopting the Evan Williams' treatment; it will pay you to secure this profitable business for your establishment.

The EVAN WILLIAMS Co. Ltd.
18 & 18a OGLE St. FOLEY St. LONDON W.1.

(2)

The Finest Quality Aerated Waters are made only with the Finest Quality ESSENCES

Boake Roberts'

Soluble Essences are of the finest quality and being extremely concentrated are most economical

Lemon	**Ginger Ale**
Orange	**Stone Ginger (Cloudy)**
Ginger	**Clear Ginger Beer**
Raspberry	**Kola Champagne**
Strawberry	**Lime Juice and Soda**
Pineapple	**Lemon Squash**
Vanilla	

A. Boake Roberts & Co. Ltd.
Stratford, London.

Advertising that assists YOU!

THROUGH the press, MOVOL has gained public confidence. Housewives are still being told about it. Some have yet to learn its wonderful power of making Iron-mould, Ink and Fruit stains disappear, and *all* are told that

TRADE MARK.
MOVOL
Regd

can be bought from Chemists everywhere. Have you got your stock displayed and are you reaping the profits?

Mail a P.C. for trial stock and display material to

W. EDGE & SONS, Ltd.
BOLTON, LANCS.
(The Drummer Dye People.)

Vaseline

Trade Mark Registered

PREPARATIONS.

	Per Gross
Pomade, in 1 gross boxes, screw cap	35/11
,, ,, ¼ ,, ,, ,, ,,	40/4

	Per Doz.
Perfumed White, Blue Seal ,, ,,	6/6
,, ,, No. 1 ,, ,,	11/3
,, ,, Glass Stopper	17/7

Delicately perfumed, especially adapted for Toilet purposes and as a dressing for the hair.

Chesebrough Manufacturing Co.,
42 Holborn Viaduct, London, E.C. 1.

BRITISH MADE
TIN FOIL

Highly polished foils—printed, lacquered, embossed or plain. Guaranteed free from lead for tobacco, cigarettes, foodstuffs, etc. In sheets or reels—large or small quantities.

Also collapsible tubes in pure tin, pure lead or lead-coated with tin for rubber solution, artists' colours, tooth pastes and other toilet preparations.

Manufactured by

Venesta Ltd.
1, Great Tower St. EC.
London
England

A FINE SELLER FOR DAYS OF PEACE!

SNOWLEEN

has conquered thousands of Wrens, W.A.A.C.S., and lady munitionists, and is in constant demand throughout the world.

We will send free to any Chemist a sample of above with Prices and Bonus Terms on receipt of address.

SHOWS A BIG PROFIT.

WELL ADVERTISED.

QUICK SALES GUARANTEED

PRICES

Per doz.	...	7/9
Gross	...	92/-

BONUSES

½ gross receives ½ dozen free.
1 „ „ 1¼ „ „

Protected Price 1/-.

WHITE BAND MFG. CO., Ltd.
SOUTH CROYDON.

FACE CREAM. TOOTH POWDER. NAIL POLISH
„ POWDER. „ PASTE. HAIR CREAM
BRILLIANTINE, Solid and Liquid. PERFUMES
VIOLET POWDER. TALCUM. TOILET OATMEAL
SHAMPOO POWDER & LIQUID. MASSAGE CREAM

Your own formula prepared, or we can supply ingredients if desired.
Send for samples and quotations.

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PHONE—AVENUE 1945.

WHY PURSE your lips over Cappings?
SEMREH
SELF-FIXING
BOTTLE CAPS
solve the problems of LABOUR, TIME, COST and help you to PURSE your money instead.
Details from
THE VISCOSE
Development Co., Ltd.,
BROMLEY, KENT

"PLANO"
The best thing out for Rough Skin and
CHAPPED HANDS.
Sold everywhere at the popular price—3d.
TRADE PRICES: 6 doz., 12/- net; 12 doz., 23/6, carriage paid.
13 to the dozen for Cash with Order.
Discount Orders of 20/-, 2½%; £5, 5%; £10, 7½%.
SPECIAL OFFER.
13 doz. Tablets, with Advertising Matter, 23/6, less 2½%
(£1 2s. 11d. net). Cash with Order.
Recent Testimonial. *October 1918.*
"I am delighted with the result of 'Plano' Please send some more for my friends, who think it marvellous."
MILNER'S CHEMICAL CO., LIVERPOOL.

ANOTHER HOME ARTICLE OF GREAT UTILITY.
"LUTON"
Household Dyes
FOR HOME DYEING.

All these colours will dye either Wool, Silk or Cotton, or mixture of these. No separate dye required for each material. Easy and clean to use. No acids or preparation required. Make home dyeing a matter of interest and pleasure.

A standard range of 12 Colours; other shades supplied.
IN PACKETS, 2d., 3d. and 6d. each, and in Bulk.

Pattern Book. Write for Terms and Patterns.
WHITAKER & CO., COLOUR WORKS, KENDAL, ENG.
London Depot: 60-62 Clerkenwell Road, E.C.
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ESTABLISHED 1878.
Proprietors of the "Luton" Straw Hat Dyes.

IMMEDIATE DELIVERY
GATES' BOTTLE CAPPING SKINS

SNOW-WHITE OPAQUE ROLLED SKINS.
SOMETHING QUITE NEW. These Skins are damp and READY FOR USE. The raw material for Baudruche manufacture being now unobtainable, I have put this new production on the market in its place. ABSOLUTELY AS OPAQUE as Split skins and equal in appearance.

"Mine beat all others."

Sole Pioneer and Only English Manufacturer:
LESLIE GATES,
3 & 14 Nightingale Road,
Clapton, E. 5.
Telegraphic Address: "Englishism, Lowclap, London."
Telephone: Dalston 1207.
ALSO GOLDBEATER'S SKIN FOR MEDICAL PURPOSES.
THE CHEAPEST & MOST EFFECTIVE CAPPING EVER PRODUCED.

FOR LARGE BUYERS.

Toilet Paraffins

Bulk or Packed.

Also Vanishing Creams, Brilliantines, Lime Creams, Pomade Hongroise, Tooth Powders, Dental Creams, Shampoo Powders, and All Toilet Goods.

LOW PRICES for HIGH QUALITY.

STOKES & CO., Ltd.

Manufacturing Chemists and Perfumers,
Desk 11, 31-35 Lower Castle, BRISTOL.

(3)

ATTRACTIVE SHOW MATTER.

"Shurekure" Chilblain Pencil

(The PROVED Ready Seller.)

Gives the greatest satisfaction and speedily sells on merit because it REALLY DOES WHAT IT CLAIMS.

		3 doz.	6 doz.	12 doz.
Retail	7½d.	14/6	28/-	54/-

Bonus: 13 as 12 for cash.

Rosebalm Emollient Stick

(Glycerine Substitute.)

For Chapped Hands, Cracked Lips, Rough Skin, etc., etc. Superior to any other in composition and effectiveness.

		3 doz.	6 doz.	12 doz.
Retail	4d.	8/-	14/6	26/-

Bonus: 13 as 12 for cash.

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MAGNUS, MABEE & REYNARD, Inc.

NEW YORK, U.S.A.

IMPORTERS—MANUFACTURERS—EXPORTERS
ESSENTIAL OILS, DRUGS & CHEMICALS.

We offer at advantageous prices—

LIQUID STYRAX

Cases 80 lb. each (not U.S.P.)

CHLOROPHYLL

Alcohol and Oil, Soluble.

HELIOTROPINE CRYSTALS
VANILLIN & COUMARIN
BALSAMS
COPAIBA—PERU—TOLU

An interesting and complete Catalogue covering the Drug and Essential Oil fields mailed on request.

The Season's Greetings to those who Sell

ANZORA CREAM & ANZORA VIOLA

ANZORA
HAIR CREAM

MASTERS THE HAIR

ANZORA PERFUMERY CO.,
28, 32, 34 Willesden Lane,
LONDON, N.W. 6.

ICY-HOT
VACUUM FLASKS

WE are pleased to inform our Customers we have just received a consignment of the above well-known Flasks and in the two most popular kinds.

Delivery Immediate.

Pint 11/6 each

Imitation Leather, Enamel on Metal.

Pint Refills, 9/- each.

Pint 14/9 each

Nickel Plated Corrugated.

HENRY C. QUELCH & Co.

4 & 5 Ludgate Square, London, E.C.4.

ARE YOU LOSING

Embrocation Sales?

Tenpence profit per bottle is offered you.

USE

Embromulsa

It produces a creamy embrocation that is effective and which will keep.

No apparatus beyond what is found on the dispensing counter necessary.

Send for 1-oz. trial packet, 2/6.
Repeat on larger sizes, 7/6, 12/-, 22 6.

The Embromulsa Co.

389 High Street, Cheltenham.

UNIQUE PRODUCTIONS IN

Labels

AND

Cartons

BY

Thomas Waide & Sons.

SEND YOUR ENQUIRIES.

A charge of 10/6 is made for Set of Samples to Colonies, which we credit on Order for £10 and upwards.

ADDRESS:—

KIRKSTALL ROAD, LEEDS.

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

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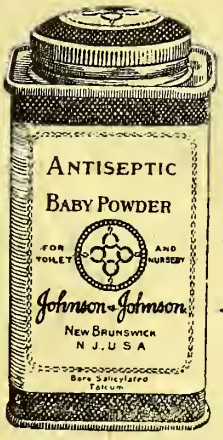
Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.



Look for the Name and Trade Mark.

Antiseptic Baby Powder

Johnson & Johnson.

Minimum Retail Selling Price P.A.T.A. 10½d. per package.
Cost 7/- per dozen net.

We are now in a position to supply THE ORIGINAL Antiseptic Baby Powder from our London warehouse.

EMPTY CONTAINERS. How to help in a War Economy.

As it is very difficult to obtain an adequate supply of the containers for the Antiseptic Baby Powder, we consider it a National Duty at this time to endeavour to conserve these and save material and labour wherever possible. With this object in view we are prepared to make a substantial allowance for all empty containers returned to us in good condition, not scratched. For full particulars as to this allowance look for the notice which is sent out with the orders for this Antiseptic Baby Powder.

WARNING.

The package is being imitated, but the contents and the trade mark are inimitable and the name of **Johnson & Johnson** is the **Hall-mark for Quality.**

JOHN TIMPSON & CO., Ltd., 104 & 106 Golden Lane, London, E.C.1

Phone: City 6910—6911. Telegrams: "Porous London."

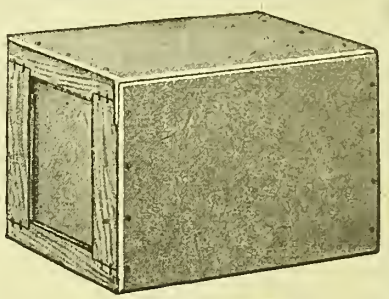
Don't pack "Packing" troubles

SEND TO-DAY FOR DESCRIPTIVE BOOKLET.

Delivered to you in the flat, ready for putting together. ¶ All Boxes made to specification

Let Us Help You

Reduce your freight charges.
Save storage room.
Adopt distinctive Packing Cases for your goods.
Buy in quantities, thus escaping the constantly advancing prices.
Lighter than Wood—Cheaper than Wood.



The "HERCULES"
Fibre Board Packing Case.

GLOBE BOX CO. Proprietors: Cartwright & Rattray Ltd. **Boston Mills, HYDE.**

HAVE YOU GOT The "ASTRAL" Display Stand?

Windows dressed in half usual time and better in every way. Window stocks economised, goods attractively 'set off' whether in window, showcase, or on counter. A most convenient and dainty stand, made collapsible in oxydised copper, bronzed and relieved finish.

No. 1—Height 8 in., complete with 3 plate glass shelves, all edges polished .. 10/6 each
No. 2—Height 12 in., complete with 3 plate glass shelves, all edges polished .. 11/6 each
No. 3—Height 19 in., complete with 4 plate glass shelves, all edges polished .. 20/- each
No. 4—Height 25 in., complete with 4 plate glass shelves, all edges polished .. 21/6 each
Prices are now plus 10% advance.
Size of shelves, 9×8 in., 11×3½ in., 13×4 in., 16×4½ in.

Sole Makers: **A. F. CORBETT & CO.,**
Artistic Shop Window Fitting Manufacturers and Window Display Specialists.
151 High Street, Harborne, England.

Send to-day for booklet.

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SAMUEL HILL, Ltd.
Hunters Lane, ROCHDALE.
Manufacturers for all purposes.
COTTON, WOOLLEN and LINEN.

Telegraphic Address: "Filtering Rochdale." Telephone No.: 956 Rochdale.

THERMOMETERS AND HYDROMETERS

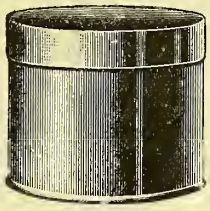
Clinical and Chemical Thermometers of high quality a special feature.

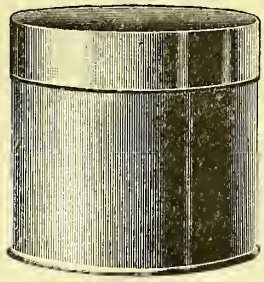
A. T. REYNOLDS, Barnsbury Hall, Barnsbury Street, LONDON, N. 1.

Immediate Delivery. MERCURY bought to any amount for cash. Wholesale and Export.

COMPOSITE CONTAINERS

For Packing Foods, Jams, Powders, Cocoa, and all classes of Goods.





"ELSWAL" (Registered Trade Mark).

BOTH our Factories have been devoted for the past 4½ years to the production of MUNITIONS OF WAR. We are now putting all our attention to the production of civil requirements, and RECONSTRUCTING our business to find employment for demobilised men. We therefore are putting on the market Composite Containers, which are indispensable products for the future, and vastly superior to Tin Boxes, Jars or Bottles for the following reasons :—

HYGIENE. (1) They are much more cleanly than Jars or Tin Boxes, which must necessarily have injurious deposits left inside during manufacture. Jars and bottles have to be washed, very often in dirty water, whereas these Containers are made of a perfectly clean, sterile Papier Maché and Tinplate, and need only be used once.

UTILITY & ECONOMY. (2) They effect a great saving in packing as they will not break like Jars or Bottles, or leak like Tins. They avoid all returns of empties, and therefore save labour. They abolish your bottle-washing plant.

WEIGHT. (3) They are 25% to 75% lighter, therefore a considerable saving is effected in carriage.

BULK. (4) They are 25% or more, less bulky than Jars, and need no straw or similar packing, as they are placed close together in the case.

PRICE. (5) There is a considerable advantage in price. YOUR INQUIRIES ARE SOLICITED.

EELES, WALKER & CO., Crescent, Birmingham.
Manufacturers of Food Containers, Travelling Equipment, Boxes for all trades. Paper Components, Letter Files, etc.
Telegrams: "ELSWAL BIRMINGHAM." Telephones: CENTRAL 532?/5.

London Agents:
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Telegrams: "MUSSARED, CENT, LONDON."
Telephone: CENTRAL 378.

D. 274. 3/-

SMALL SPACE ADS.

are a necessity to-day, because of the paper shortage. The Advertising Rates are advanced and your ads. must pull more business to be as profitable as before. Our **Business Bringing Blocks** will assist you to increase the sales of your Toilet Specialities, Remedies, Photographic and Optical Goods.

Send a label of your speciality and we will send a few suitable illustrations of our Blocks.

CHEMIST'S DESIGN SERVICE,
12 Humberstone Gate, LEICESTER

Special Offer of SHOWCARDS

produced in THE RIGHT STYLES to attract attention to your Goods

For **8/6** complete Carriage Paid.
1 15×10 card for various "Preps.", with smart and original Hand-drawn & coloured Figure Sketch; also effective Aero illustration for Saccharin Tablets.
3 12×9 cards in White and Coloured and Enamel, and Art Series for various "Preps."

Written to order—send wordings required.

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(Discharged Soldier.) Late F. M. & Co., of Holloway, N.

CHELTINE FOODS CO., CHELTENHAM.

DIABETES

FLOUR, BREAD, BISCUITS, FOOD, RUSKS, COCOA, Etc.
Also Foods for Anæmic, Dyspeptic, Invalid and Aged People and Infants. Highly recommended by Medical Profession.
INFANTS' FOODS packed under Chemists' "OWN NAMES."
Terms and all particulars on request.

OXYDOL and its DERIVATIVES.

OXYDOL *(Registered)*	Pure hydrogen peroxide for internal use.
PEROXYDOL *(Registered)*	Pure hydrogen peroxide, 100 volumes strength.
OXYDOIN *(Registered)*	Oxydol ointment. For external use.
"	Capsules. For internal use.
"	Suppositories.
OXYDETTES *(Registered)*	For the disinfection of the smaller intestines, colon, &c.

NEW OXYDOL PRODUCTS Ltd.,
23 FITZROY SQUARE, LONDON, W. 1.
Telephone: 8368 Gerrard.

CHANGEABLE LETTER SIGNS

Most effective, artistic and NOVEL. Letters do not fall about once placed in position.

300 Letters and Figures to each Sign.

Size 18 by 14 inches, in Wooden Frame, price **10/6**, Two for **18/-**; Size 11 by 15, price **7/-**, Two for **12/-**.
Sent carriage paid on receipt of Postal Order.

Dominion Trading Co., 50 Adelaide Rd, London, N.W.3

High-Class Emollient for the Hands.

"MENOLAN" for the Hands.

Prices: Retail 7½d. per tin, 60/- per gross, with 1 doz. bonus, and 2½% discount for cash in 7 days.

MENOLAN CO., LTD., 233 Bristol St., Birmingham.
London Agents, F.H. Plews & Co., Canterbury Rd., S.E.

BRANDON, TURNER & CO.,

48 Hatton Garden,
London, E.C.

CARDBOARD BOXES & CARTONS

of every description.

FOLDING BOXES A SPECIALITY

IMMEDIATE DELIVERY GUARANTEED

Send us Your Inquiries.

ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE YET PRODUCED

IS MANUFACTURED BY

THE PHARMACEUTICAL LANOLINE CO.

7 Carnwath Road, Fulham, London, S.W.

WHO INVITE INQUIRIES.

PETROLEUM JELLY

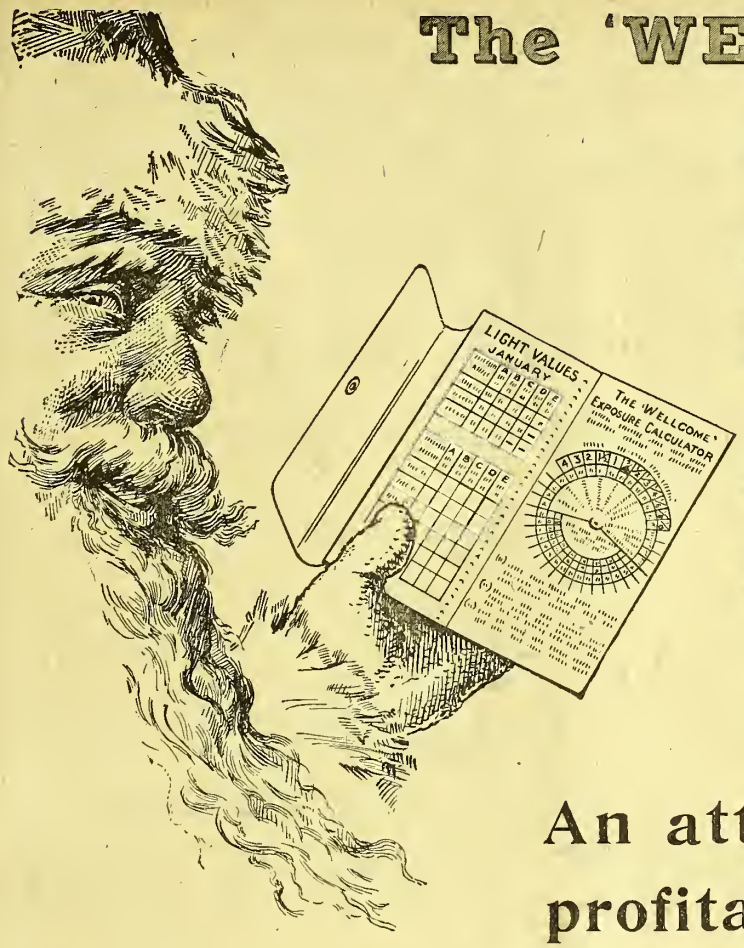
ALL GRADES.

GUMS. WAXES. DEXTRINE.

W. M. Kidston & Co., 43/45 Great Tower St., London, E.C. 3.

Telegrams: "KIDSTONISM, BILGATE, LONDON." Telephone: AVENUE 8057.

The 'WELLCOME' PHOTO EXPOSURE RECORD AND DIARY 1919



An attractive and profitable item for Xmas window and counter displays.

The present high cost of production has necessitated raising the price to 18/0 per dozen, subject (price in the British Isles). Retail price 1/6 each.

The sales of this famous little book will make an acceptable addition to the Xmas trade of any chemist who adds the book to his displays of gifts and introduces it to likely customers.

Suggest its being sent instead of the usual Xmas and New Year Card. It costs no more than a good card and is of real use to the recipient.

BURROUGHS WELLCOME & CO.
LONDON

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OUR STANDARD EMULSION of COD LIVER OIL

(Season 1918-19).

If your Standard is high in what constitutes an Ideal EMULSION.—

If your Judgment is sound and you are able to appreciate the highest in quality and value, then we welcome your inquiries and criticisms, and cordially invite you to write for samples and prices. We have several styles, of real forceful selling value, which have

CHARACTER AND DISTINCTION

that give satisfaction to your customer and prestige to the retailer.

OUR STANDARD EMULSION is made from PURE COD LIVER OIL, and has OUR GUARANTEE BEHIND IT.

CUPAL Ltd., Blackburn

HUBBUCK'S PURE OXIDE OF ZINC.

Sold by the following Wholesale Druggists in Boxes of 7 lbs. and 14 lbs. stamped by the Manufacturers; also in 1-lb. Boxes and 1-lb. Glass Bottles :—

Allen & Hanburys (Lim.)
Ayrton, Saunders & Co. (Lim.)
Baiss Bros. & Company [(Lim.)
Bell, Jno., & Co. [(Lim.)
Bleasdale (Lim.) [(Lim.)
Boots' Pure Drug Co.
British DrugHouses(Lim.)
Burgoyne,Burbidges & Co.
Butler & Crispe
Clay, Dod & Co.
Cockburn & Co. (Lim.)
Corbyn, Stacey & Co.
Dakin Brotbers. [(Lim.)
Duncan, Flockhart & Co.
Evans, Gadd & Co.
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Horner & Sons.
Huskisson, H. O., & Co.
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Loftbouse & Saltmer (Lim.)
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Raimes & Co.
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Silversides, R. B. G.
Soutball Bros. & Barclay.
Sumner, R , & Co.
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Langley & Michaels, San Francisco.
Lehn & Fink, New York.
McKesson & Robbins, New York.
Muth Brothers & Co., Baltimore.
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HUBBUCK'S PURE OXIDE,

Is made by Sublimation, and is Warranted to contain upwards of

99 PER CENT.

Of Pure Oxide; in fact the impurities are not traceable.

THOS. HUBBUCK & SON, LTD.

(Established 1765)

24 LIME STREET, LONDON, E.C.3.

Manufacturers of—

White Lead, White Zinc, Paints, Oils, Colours, Varnishes, &c.

AUSTRALIAN OFFICE—
34 QUEEN STREET, MELBOURNE.

The Manufacturers supply their Pure Oxide Wholesale only, in quantities of not less than 2 cwt.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of many Chemists' Societies in Australia, New Zealand and South Africa.

SUBSCRIPTION RATES.
FIFTEEN SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, 6*d.*; *Diary* 3*s.* 6*d.* post free. Postal orders and cheques should be crossed "Martin's Bank (Ltd.)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 15*s.*, franco.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 15 ch., franco.

Terms for advertising may be obtained on application to the Publisher
Head Office: 42 CANNON STREET, LONDON, E.C. 4.
Telegrams: "Chemicus, Cannon, London." Telephone Central 3617 (three lines).
Branch Offices: MELBOURNE AND SYDNEY, AUSTRALIA.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, December 15.

United Arts and Kensington Volunteer Rifles, "B" Company (Pharmacists) and *Pharmacists Volunteer Corps*, 17 Bloomsbury Square, London, W.C., at 10 A.M. Committee-meeting. At 11 A.M. general meeting of all members. (December 18 and 19 platoon parades of the United Arts Rifles at 3 P.M., at Imperial College Union, South Kensington, S.W.)

Wednesday, December 18.

Pharmaceutical Society of Great Britain, North British Branch, 36 York Place, Edinburgh, at 8 P.M. Mr. D. B. Dott, F.I.C., "Note on Opium Analysis"; Mr. J. J. Forbes on "The Education (Scotland) Act, 1918, and Pharmaceutical Qualification."

Thursday, December 19.

Chemical Society, Burlington House, London, W. 1, at 8 P.M. Professor F. Soddy, F.R.S., on "The Conception of the Chemical Element as enlarged by the Study of Radio-Active Change."

Wills.

MR. CHARLES EDWARD DYSON, J.P., Flint, for many years manager of the Flint works of the United Alkali Co., who died on July 27, left estate valued at 7,852*l.* 5*s.* 2*d.* gross, with net personalty 7,273*l.* 17*s.* 10*d.*

MR. CHRISTOPHER BROWN MARTIN, chemist and druggist, Lealands, Barnard Castle, who died as the result of an accident on August 22, left estate of the gross value of 5,808*l.* 0*s.* 2*d.*, of which 5,706*l.* 7*s.* 10*d.* is net personalty.

MR. ALFRED ALLHUSEN, of Beadnell Tower, Chathill, Northumberland, resident director of the United Alkali Co., who died on June 22, left estate of the gross value of 11,435*l.* 3*s.* 7*d.*, of which 9,788*l.* 19*s.* 11*d.* is net personalty.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Christmas Holidays.

We have ascertained that the following houses, in addition to those mentioned in our last issue (p. 42), will close from Tuesday afternoon, December 24, to Monday morning, December 30:

Allen & Hanburys, Ltd., Bethnal Green, E. (Small urgent orders for special preparations will be dealt with at Plough Court, Lombard Street, E.C., and 7 Vere Street, W.)
American Drug Supply Co., 6 Northumberland Avenue, W.C.
Berton, Arthur, Ltd., 15 and 17 Worship Street, E.C.
Burge, Warren & Ridgley, Ltd., 91 and 92 Great Saffron Hill, E.C.
Christy, Thomas, & Co., Old Swan Lane, E.C.
Darton Gibbs Co., The, 9 Aldersgate Buildings, E.C.
Hatrick, James L., & Co., Ltd., 70 and 72 St. John Street, E.C.
Reuter, R. J., 69 Carter Lane, E.C.
"Sanitas" Co., The, Ltd., Loeksley Street, E.
Smith, T. & H., Ltd., 25 Christopher Street, E.C.
Stevenson, H. E., & Co., 122 Great Suffolk Street, S.E.
Tyrer, T., & Co., Ltd., Stratford, E.

The following houses will close from Tuesday afternoon, December 24, to Friday morning, December 27:

Baiss Bros. & Co., Ltd., Grange Road, Bermondsey, S.E.
Bell, John, Hills & Lucas, Ltd., Oxford Works, Tower Bridge Road, S.E.
British Drug Houses, The, Ltd., 22-30 Graham Street, City Road, N.
Burgoyne, Burbidges & Co., Ltd., East Ham, E.
Burroughs Wellcome & Co., Snow Hill Buildings, E.C.
Curling, George, Wyman & Co., 56-59 Bunhill Row, E.C.
Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, E.C.
Greeff, R. W., & Co., Thames House, Queen Street Place, E.C.
Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C.
Wright, Layman & Umney, Ltd., 44-50 Southwark Street, S.E.
THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

The following houses will close for stocktaking on the dates mentioned:

Bell, John, Hills & Lucas, Ltd., Oxford Works, Tower Bridge Road, S.E., December 27 and 28.
Christy, Thomas, & Co., Old Swan Lane, E.C., December 30 and 31.
Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C., December 27 and 28.
Wright, Layman & Umney, Ltd., 44-50 Southwark Street, S.E., December 30-January 1, 1919, inclusive.

What is Vinegar?

The Sheffield city analyst (Mr. John Evans, Ph.C.) reports that during the quarter ten samples of vinegar were examined. Of these two were genuine, containing 4 per cent. and upwards of acetic acid. The remaining eight samples were deficient in acetic acid. Etymologically, the word "vinegar" means soured wine; and at first the word was employed with definite reference to that article. It was afterwards found that dilute solutions of alcohol, such as malt-mashes, cider, etc., could turn sour, and the resultant was distinguished as "malt vinegar," "cider vinegar," etc. Then it was discovered that distilled spirit could be diluted to proper strength and made to undergo acetic fermentation, whereby so-called "spirit vinegar" was produced. Finally, since the presence of acetic acid was found to be the chief characteristic of vinegar, it came about that diluted acetic acid, from whatever source produced, was made to do duty as vinegar, either alone or blended with a brewed or fermented vinegar. There are on the market the following articles under the name of "Vinegar": (1) Wine vinegar from soured wine; (2) malt vinegar; (3) cider vinegar; (4) spirit vinegar; (5) imitation vinegar (diluted acetic acid). The last-mentioned article, though it possesses the sourness, and if of the proper strength, the preserving qualities of true vinegar, does not possess its flavour, which is due to the fact that when acetous fermentation occurs in dilute alcoholic solutions, small amounts of other substances are produced at the same time. In this country malt vinegar is the predominating article on the market, but there is a considerable amount of imitation vinegar, described as "vinegar" or "pure vinegar," or as a genuine article, and "guaranteed pure." "I can see no objection from a health point of view," concludes Mr. Evans, "to the sale of such an article, provided it is prepared from pure acetic acid, is of proper strength, and is sold for what it is. Vinegar derived from whatever sources should contain at least 4 grams of acetic acid in 100 c.c. of the vinegar. Unfortunately, there is no legal standard of strength in this country, but vinegar which contains less than 4 per cent. of acetic acid is practically valueless for pickling and other preserving purposes. In other countries the 4-per-cent. standard has been officially adopted."

Birmingham.

Alderman Clayton, Ph.C., has contributed 250*l.*, and Mr. A. L. Hunt 105*l.*, to the Lord Mayor's fund for local hospitals for disabled Service men.

The question of the purity of olive oil has come up again, and pharmacy has had to interview the authorities charged with the supervision of such matters.

In consequence of the great demand for clinical thermometers, local supplies are in many cases exhausted. 3*s.* 6*d.* appears to be an average price for the grade that once was 1*s.* 6*d.*

The veteran Mr. C. J. Woodward, B.Sc., well known here as a teacher of chemistry in former years, has compiled and presented to the City Reference Library a biographical index of Birmingham men of note.

Dr. J. Coole Kneale, who was once in business as a pharmacist in Sparkhill, has just been the recipient of an illuminated address and a silver loving-cup in recognition of his work on the National Service Boards in Birmingham.

Professor Percy F. Frankland, who is resigning the Mason Chair of Chemistry at Birmingham University after a tenure of twenty-four years, is an honorary member of the Pharmaceutical Society, to which he was at one time an examiner in chemistry.

"Physician," writing to the local Press on the shortage of potable spirit, concludes thus: "My suggestion is that chemists should be immediately given licences to supply alcohol as a medicine. Doctors should be able to give prescriptions for alcohol as for other medicines with directions as to how it should be taken. I am sure I do not exaggerate when I say that many lives would thus be saved."

Miss Cecilia G. Hill, the organiser of lady dispensers in Birmingham and district, is a daughter of Mr. Hill, the representative of Ayrton & Saunders, Ltd., in this district for many years. Miss Hill is a pharmacist, as is also her brother, who has been in the Army for some years and came over from Japan, where he represented S. Maw, Son & Sons, Ltd., for four years, to join the Colours. He trained a large body of Chinese, and brought them to France *viâ* San Francisco.

Leeds.

The concession as to window-lighting during the next fortnight is resulting in a general clean-up after three years of darkness.

There appears to be quite a slump in uncontrolled saccharin, and, chemists are being offered this at, practically, the controlled price.

Several R.A.M.C. men have got back to their businesses for a few weeks, and urgent requests for further extensions of leave will no doubt be made.

"Very small quantity that you gave me for a shilling." "You wouldn't have got any if you hadn't brought your own bottle," the chemist replied. This bit of repartee, which appeared lately in the "Yorkshire Evening Post," is perhaps a trifle subtle.

Great interest is evinced in the forthcoming visit of Mr. Glyn-Jones to the Leeds Association. The usual attendance at these meetings is not so good as it might be. Some members consider that the half-holiday evening is not the best time for meeting, as it is the only night they can devote to a little mild dissipation.

Mr. Bentley, Kirkgate, has received many congratulations on the arrival home of his only son, who has been a prisoner of war in one of the "silent camps," and was given up as lost for some weeks. Private Bentley has undergone great hardships, and the sample of rations in the shape of a veritable brick of black bread which he has brought home makes one marvel that he and others have survived.

Liverpool.

While some tradesmen are complaining of a check in business, pharmacists report the continuance of a brisk demand.

Christmas window-dressing is evidently not going to be done here by halves. Holly-leaves and other seasonable adornments are already to be seen.

The death took place on December 8 of Mr. R. S. Reynolds, who for thirty-five years was veterinary surgeon to the Liverpool Corporation. He was seventy-seven years of age.

The Fuel Controller has received applications from pharmacists for increases of their allowances. One lock-up shop, open sixty-eight hours weekly, has so far been allotted half a ton of coal for twelve months!

Nottingham.

Pharmacists here have felt the effects of the remarkably sudden diminution in the number of victims attacked by influenza.

Spanish juice is in great demand, people in the city paying without complaint 7*d.* per oz. While some local retailers have very little in stock, there are others who have not yet experienced any difficulty in maintaining supplies.

The best method of augmenting the Pharmaceutical Society's War Auxiliary Benevolent Fund was discussed by the Council of the Nottingham Association on December 11. It was decided to circularise every member, and follow up with a personal appeal.

Sheffield.

The health return for last week is distinctly more encouraging, the deaths having again dropped; but chemists are still very busy, and the need for staff is beginning to tell.

It is not generally known that "Miss Mary Macarthur," who is opposing a member of the drug-trade in the election, is the wife of Mr. W. C. Anderson, once a chemist's assistant, who is standing for the Attercliffe Division of Sheffield.

Miscellaneous.

CHRISTMAS SHOPPING.—The Home Secretary has suspended the operation of the Early-Closing Order on Friday, Saturday, Monday, and Tuesday (December 20, 21, 23 and 24) before Christmas Day.

APPROVED FIRMS IN CHINA.—Among the additions to the list of persons to whom articles to be exported to China may be consigned are the Amoy Dispensary, Amoy; China Dispensary, Tientsin; and G. T. Fulford & Co., Ltd. (Dr. Williams Medicine Co.).

WOUNDED SOLDIERS ENTERTAINED.—May, Roberts & Co., Ltd., Clerkenwell Road, London, E.C., gave an entertainment at the Northampton Institute on November 30 to 1,000 wounded soldiers. A capital programme was arranged, and facing the list of performers was a cheery letter of welcome to the guests.

WAR AUXILIARY BENEVOLENT FUND.—Mr. Clement W. Ridyard, Secretary of the Derbyshire Pharmaceutical Association, forwards us a complete list of subscriptions collected for this Fund in the county area of Derbyshire (exclusive of Derby). There are seventy-six subscribers, the total amount collected being 518*l.* 13*s.*

BLACK-CURRANT PULP.—The Ministry of Food has authorised the importation of a consignment of French black-currant pulp for medical purposes, and a parcel is now being landed from France. The article is packed in 50-kilo. cases, ten to twelve tins in a case. Any firm who requires some for medical purposes should apply to Mr. T. E. Lescher, 60 Bartholomew Close, London, E.C. 1.

BENEVOLENT FUND.—The election of eight annuitants on the Benevolent Fund of the Pharmaceutical Society took place at 17 Bloomsbury Square, London, W.C., on December 10, Mr. W. S. Glyn-Jones, Secretary and Registrar, presiding. There was no contest this year. The following candidates were elected: Rose Burnett, Knights Dack, Seraphena Davies, Blanche Fletcher, George Fox, Mary Ann Laurence, Edward J. Owles, and Elizabeth D. Saunders.

DAMAGED TEA AND TEA-SWEEPINGS.—The Food Controller has issued a general licence, under date of December 5, whereby damaged tea and tea-sweepings unfit for human consumption may be sold at prices below the fixed wholesale price and retail price, provided that such damaged tea or tea-sweepings is sold to a manufacturing chemist for the purposes of his manufacturing business or to a person buying such damaged tea or tea-sweepings for resale to a manufacturing chemist. A person other than a manufacturing chemist, in order to deal in such damaged tea or tea-sweepings, must hold a licence issued under the authority of the Food Controller.

GLUCOSE AND MOLASSES PRICES FIXED.—The Food Controller has fixed maximum prices for syrup and liquid glucose and wholesale prices for molasses. The prices depend, in the case of syrup and liquid glucose, on the quantity sold in one container, but generally they are for wholesale sales by first-hand buyers of syrup and liquid glucose, 60*s.* per cwt. when sold in puncheons, and 80*s.* when sold in small containers, and for retail sale 10*d.* per lb. loose, and 10½*d.* per lb. in containers. In the case of molasses the wholesale price is fixed at 45*s.* per cwt. The Order does not apply to Ireland or to molasses sold for the purpose of manufacturing feeding-stuffs for cattle.

POISONINGS.—An inquest was held at Kensington, on December 7, on the body of Mr. George Roland Halkett, Aubrey Road, W., a well-known cartoonist and author, who had been taking opium and veronal on medical advice.

Dr. Spilsbury stated that death was due to coma from a narcotic poison, no doubt a large dose of veronal. Other evidence having been given, a verdict of "Suicide while of unsound mind" was returned.—A similar verdict was given at a St. Pancras inquest, on December 6, on the body of Captain Frederick Ralph Tickle, R.A.M.C., M.B., Ch.B., whose home was at Southampton. He was found dead in bed in a London hotel on November 5, and was said to have bought a hypodermic syringe and "a bottle of aconite" the afternoon before his death. Further evidence showed that he had purchased some tubes of morphine on his own medical certificate. Mr. J. Webster, Home Office analyst, said that he found a quantity of aconitine in the organs, and traces of morphine and atropine; and Dr. Spilsbury gave aconite poisoning as the cause of death.

BRITISH TRADE-MARK.—Mr. A. E. Warden, a well-known trade-mark expert, writing to the "Daily Telegraph," states: "The use of the term British manufacture upon goods of British manufacture has become a very desirable thing, if not an actual essential requirement of British commerce, but any attempt to saddle British commerce with an obligation to use some specific mark upon goods of British manufacture with the consequential trouble, annoyance, expense, and delay in submitting specimens of goods which it may be proposed shall bear such a mark to some central authority having necessarily agencies or committees all over the Empire, is, in my opinion, foredoomed to failure. An official mark of origin must also, under the very best circumstances, be capable of abuse. British manufacturers exporting to foreign countries have (generally speaking) a high reputation for their products, and as a general rule clearly mark their goods with their name and address and their own trade-marks. Many of such trade-marks have ceased to be merely British trade-marks, but have become international trade-marks, designating the goods of one manufacturer throughout the world."

IN THE COURTS.—At Marlborough Street Police Court, London, on December 10, William Henry Gordon was charged on remand with an offence under the Venereal Disease Act, 1917 (*C. & D.*, December 7, p. 35). Captain Otto May, R.A.M.C., a member of the National Council for Combating Venereal Diseases, stated in evidence that he had visited the accused under an assumed name and had induced him to make a blood test, ostensibly in the interests of a man who believed himself infected. The fee was 2*l.* 2*s.*, and a further fee of 8*l.* 8*s.* was agreed upon for a course of treatment. The written report of the test purported to show a positive result. Accused had said, in answer to a question, that he was "Dr." Gordon. A further remand on bail was ordered.—At Blackpool, on December 7, a private soldier named Bradwell and a discharged soldier named Duigan were each sentenced to four months' hard labour for false pretences and for stealing two 5*l.* War bonds and 7*l.* in notes, the property of Mr. Harry Catlow, chemist and druggist, 19 Marlborough Road, Southport.—At the Thames Police Court, London, on December 7, Rickett, Cockerell & Co., Ltd., coal-merchants, were fined 2*l.* 10*s.*, with 2*l.* 10*s.* costs, for allowing a horse to be worked when suffering from parasitic mange.—At the Tower Bridge Police Court, London, on December 6, F. T. Kai, a ship's cook, was remanded on a charge of importing 1 lb. of opium which he had concealed about his person.

Irish News.

Brevities.

Mr. Joseph Dargan, Ph.C., has opened a pharmacy at 3 Man Street, Cashel.

Sir Wm. Whitla, L.P.S.I., has been nominated as the Unionist Coalition candidate for the Queen's University of Belfast. His opponent is a member of the Sinn Fein party.

The Dundalk Harbour Commissioners adjourned as a mark of respect to Mr. W. B. Connolly, a member of the Board, on the death of his brother, Mr. T. R. Connolly, Ph.C., Dundalk.

Referring to the assistants' wages award (*C. & D.*, December 7, p. 36), Mr. Edward Ovens, organiser for the National Union of Shop Assistants, states that the assistants obtained more than was anticipated. He asks assistants to show by their assiduous devotion to duty that they are worthy of the award.

Mr. J. F. Grimes, J.P., registered druggist, Pomeroy, co. Tyrone, was approached by an influential deputation to allow his name to be put forward for the nomination of the constituency of North-East Tyrone in the Irish Parliamentary National Party interest, but declined on the ground of his business interest having prior claim.

Scottish News.

Brevities.

Mr. Dick Gunnell is now sole representative for Geo. Spyer & Co., 14 Bury Street, St. Mary Axe, London, E.C. (makers of Spirezone brand saccharin tablets), for Scotland.

"Give us some more of that," said a discharged soldier the other day, proffering a bottle labelled "Usall Lotion." "Got it in a hospital in ——," he said in response to the chemist's inquiry.

"Telephones never last so long as they should in chemists' shops," said a telephone inspector recently, who had come to investigate a complaint. Is this the case, or merely an official explanation?

A chemist received an order lately for 2 lb. of tooth-powder, according to recipe, from a friend in a country town. "My chemist here is either unwilling or unable to oblige me," ran the covering note. "He says he is far too busy!"

"Well, there's yin thing," said a chatty customer the other evening, "we'll get some whisky this New Year. I see mair spirit's tae be available. Methylated an' sich-like, ye say? I thought industrial alcohol wis another name for whisky for working-men!"

Edinburgh.

Pessimistic opinions are heard regarding some all-embracing scheme of National Health Insurance.

A local chemist is advertising "glycerin (pure) 6*d.* per oz.; and methylated spirit 2*d.* per oz.; pint bottles, 1*s.* 6*d.*"

Toilet-creams are beginning to be in stock, but the demand is not nearly so great as when they were barely obtainable.

The bacteriology of influenza is to be investigated in the laboratory of the Edinburgh Royal College of Physicians.

There has been a decided fall in the sale of uncontrolled saccharin during the last few weeks, and retail prices seem likely to drop considerably. A tea-room proprietor told the writer recently that he now pays 5*s.* less per 1,000 tablets than formerly.

Lieutenant A. D. Millar, M.C., chemist and druggist, has arrived in Edinburgh. His journey from Germany was comfortably accomplished on one of the trains which are being handed over. The Germans, he says, treated officers much better than the rank-and-file. He got along famously with a group of his fellow-prisoners; among them were four medical students, and he gave these impromptu lectures on pharmacy and chemistry.

The first ordinary meeting of the East of Scotland Section of the Institute of Chemistry was held on December 5, when the Chairman, Dr. T. W. Drinkwater, gave an address on "Professional Organisation:—Its Possibilities and Limitations." After comparing the organisations of the legal, medical, and pharmaceutical professions, the speaker formulated a scheme for establishing a body representative of those who follow the vocation of chemistry.

Some of the vague "revelations" in the lay Press regarding drug-taking remind one of a local happening during the war. At dusk one summer evening a couple of canny Scots, each at an open tenement window, were chatting away merrily. A few hours later an official deputation from an English regiment, quartered in the park outside, visited the building to discover the rascals whom an alert sentry had overheard conversing in German!

Glasgow.

A cartoon in the "Glasgow Evening News" of December 10 represents two kilted warriors sitting at a table in a Cologne restaurant, facing a notice which reads: "Spirits verboten." Nothing daunted, one of them says to the attendant (apparently a potwoman): "Nae spirits! Then gie's two haufs o' Eau de Cologne for our hankies."

Business Changes.

MR. T. C. WOODE, chemist and druggist, has opened a new business as the "Central Pharmacy and Drug Store," at Gloucester Street, Freetown, Sierra Leone.

MR. EDWARD MULLETT, son of the late Mr. John Mullett, has now returned to the drug and chemical business, having opened an office at 4 New London Street, London, E.C. 3.

JAVA QUININE FOR AMERICA.—During 1916 Java shipped 8,734 lb. of quinine to the United States, compared with 88,233 lb. in 1917.

Legal Reports.

Acetic Acid Seized.—In the Prize Court, on December 3, 76 tons of acetic acid consigned on the s.s. *Noorderdijk* to the Dutch firm of Vermet & Fuchs was condemned as prize. The claimants, who bought the acid through their agent in England, Mr. Van den Hurk, Crutched Friars, London, were in 1917 fined 50,000 florins by the Netherlands Overseas Trust for selling acid without a guarantee against re-export to a firm who immediately re-exported it to Germany. The claimants did a considerable trade in the manufacture of glacial acetic acid. At the claimants' request Mr. Van den Hurk procured orders in England for 76 tons of acid, the amount of the shipment seized, but the President of the Prize Court said he was not satisfied that no part of the shipment was intended for Germany, and therefore there must be condemnation, with costs.

Salicylic-acid Plant Appeal.—Justices A. T. Lawrence and Rowlatt, sitting in a Divisional Court of the King's Bench on December 9, heard an appeal by the Lennox Foundry Co., carrying on business at New Cross, in an action against the Warrington Drug and Chemical Works, Ltd., in which Mr. Muir Mackenzie had decided in favour of the Chemical Works (*C. & D.*, April 13, p. 37). The plaintiffs had sued Mr. J. H. Whittaker and others, who traded as the Warrington Drug and Chemical Works, to recover a sum of 200*l.* in part payment of a plant fixed by the Lennox Co. for the manufacture of salicylic acid. Mr. C. Atkinson, K.C. (with him Mr. Barrington Ward), submitted that his clients, the plaintiffs, the present appellants, were entitled to judgment on the ground that the Official Referee had misdirected himself. The arrangement was that the defendants, the respondents, were to pay 50 per cent. with the order, which amount was paid, and the dispute was in connection with the next payment of 25 per cent. on delivery and a third of 25 per cent. when Mr. Lennox, of the Lennox Co., had shown the results desired by the respondents could be obtained. Mr. Lennox had always been willing to do this, but payment had been withheld for the second instalment on delivery which was clearly due to the plaintiffs under the agreement. The Referee, however, decided that the defendants were entitled to judgment on the plaintiffs' claim, and also on a counter-claim which the latter had set up. Mr. Langdon, K.C., and Mr. Harry Dobb, for the respondents, submitted that the Referee's decision was right, but the Divisional Court allowed the appeal, with costs, and entered judgment for the plaintiffs on the claim and counter-claim. A stay of execution was granted.

Magnesia Contract Dispute.—In the Commercial Court of the King's Bench Division, recently, Mr. Justice Rowlatt had before him an action brought by Allen, Harding & Co., Ltd., Canada Wharf, Deptford, against Mr. Geo. F. Berry, Cullum Street, London, E.C., the plaintiffs' claim being for damages for alleged breach of contract. The case for the plaintiffs was that in September 1917 the defendant sold to them 18 tons of light carbonate of magnesia at 57*l.* 10*s.* per ton net, to be delivered at the rate of 3 tons monthly, commencing October 1917. It was alleged that in breach of the contract the defendant had wholly failed to deliver any magnesia, and the plaintiffs claimed as damages the difference between the contract price of 57*l.* 10*s.* per ton and the market price at the end of March 1918, 75*l.* 10*s.* per ton, being a difference on 18 tons of 324*l.* The defendant admitted that he agreed to sell to the plaintiffs 18 tons of light carbonate of magnesia, commercial quality, for home trade delivery, but said the sale was based upon a sample which had been delivered to the plaintiffs, and about October 1917, when the defendant was ready to tender a delivery order in respect of the first monthly instalment, the plaintiffs telephoned to the defendant with reference to the alleged inferior quality of the goods, and it was then verbally agreed that the contract should be cancelled. Defendant relied upon the cancellation, and contended in any event that the plaintiffs were wrong in assessing the damages as based upon the market price in March 1918. At no material time was the market price for light carbonate of magnesia of a commercial quality in excess of the contract price. Witnesses were called on both sides. Judgment was given on November 29, when his Lordship said he could not doubt at all, after the elaborate investigations that had been made, that this commodity was light carbonate of magnesia, contracted to be sold, and in the circumstances he could do nothing but give judgment for the defendant, with costs. He expressed no opinion on the point of cancellation.

Banbury Chemist's Will.—In the Chancery Division of the High Court, on December 4 and 5, Mr. Justice P. O. Lawrence heard the case of Bartlett *v.* Revell, in which Mrs. Ellen Mary Bartlett, widow, of Banbury, claimed a declaration that certain property which her husband (the late Mr. Hubert Bartlett, a retired chemist) had bequeathed to his niece and his two nephews was her property, and that at the time of his death he was her trustee; and further, that Mr. Matthew Revell, solicitors' clerk, of Haytor View, Plymouth Road, Totnes, Devonshire, as administrator of the estate, was her trustee. In opening the case for the plaintiff, Mr. C. E. Jenkins explained that the gross value of the estate of the testator (Mr. Bartlett) was returned at no inconsiderable sum. The value of the real estate was returned at 2,770*l.*; money out on mortgage, with interest, amounted to 2,387*l.*; a promissory note with interest amounted to 203*l.*; while the principal value of shares and debentures in various companies was 5,321*l.* Plaintiff's case was that substantially the whole of these assets belonged not to the testator but to her, and that he held them as her trustee. In order to make out the claim it was necessary to go back many years. Plaintiff, whose maiden name was Falkner, had a brother named Richard, very much older than herself, who carried on the business of a retail chemist at Banbury, at a house and shop, 12 Market Place. Richard was the owner of the fee simple of those premises. So far back as 1859 Richard became of unsound mind, and the chemist's business was carried on for Richard's benefit by his brother John, who acted as general manager and supervisor, while the business was actually done by his sister Harriett. The business went on in those circumstances until 1874, and then Harriett got married. After her marriage somebody was required to look after the business, and it was suggested that plaintiff—who was thirty-one years of age at the time—should take Harriett's place in doing so. From that date she did so. The business—owing to the unsoundness of mind of Richard Falkner—was in 1859 in a very bad condition, but was worked up by John and Harriett to a very good business of the class, and success continued under the plaintiff. Plaintiff met the testator for the first time in 1879. He was a qualified chemist and a dentist. In 1879 testator was engaged as assistant in the chemist's business, which was run in the name of Richard or R. Falkner. In 1881 a petition in lunacy was presented against Richard by John. On that petition Richard was ultimately found lunatic by a physician, and John was appointed committee of the estate. In 1882 it was proposed that the business should be sold to plaintiff, and that she should buy it as from September 29 of that year. As a result she purchased for the sum of 1,965*l.* 15*s.* the business, the goodwill, the stock-in-trade, the furniture and effects used in connection therewith, the business premises, 12 Market Place, and a pew in the parish church which was attached to the premises. By law a chemist's business must be carried on at all events in the name of a qualified chemist. Richard Falkner was a qualified chemist. His name was used, but the plaintiff, knowing that she was going to become owner of the business, felt difficulty as to this rule about a qualified chemist, and accordingly an agreement, dated October 5, 1882, was made between plaintiff and testator. The agreement provided that the salary of the testator (who had been engaged as senior assistant in the chemist's business at an annual salary of 65*l.*) should be increased by the plaintiff to 100*l.* from the previous September 29, and the testator agreed that plaintiff should use his name and description in or about all manner of things in connection with the business, provided that he was indemnified against all loss or damage which might ensue from the use of his name. On September 16, 1884, plaintiff was married to Mr. Bartlett, and they lived above the business premises at 12 Market Place till 1893. Then the residence, 49 The Green, was acquired, and they went to live there, keeping on the business till 1911. The business remained for a considerable time after the marriage about as prosperous as it had been previously, but as years went on it fell off considerably, partly owing to competition, and partly owing to other reasons which counsel might or might not have to go into, and by 1911 it had become a very trifling business, and it was sold to Mr. Doble. Mr. Doble did not buy the premises, which were let to him, and although the premises did not belong to the testator the latter appeared as the only lessor. At the time of marriage testator was substantially without any means. In his will testator had appointed his two nephews, Leonard Revell and Frank Revell, to be the executors and trustees. Mr. Leonard Revell had renounced probate and disclaimed trusteeship. Mr. Frank Revell was on military service in India, and letters of administration were on October 28, 1916, granted to the defendant as the lawful attorney of Frank Revell for the latter's use and benefit until he should apply for and obtain probate. The defendant was the father

of Leonard and Frank Revell, and a brother-in-law of the testator. After certain specific and pecuniary legacies, all free of legacy duty, to his two nephews and his sister Emma Bartlett, the testator devised three freehold pews in the parish church to the vicar and churchwardens, subject to his wife being allowed to use and occupy such one of the pews as she might desire. He bequeathed his household furniture, plate, linen, etc., to his trustees upon trust to permit the plaintiff to have the use and enjoyment thereof during her life, and, on her death, to his niece, Frances Sophia Revell. Subject to these provisions he devised all his real estate to the use of his wife during her life, and on her decease he devised the residence, 49 The Green, to his niece. The remainder of his real estate, subject to his wife's life interest, he devised to his two nephews as tenants in common in equal shares. He bequeathed all moneys standing to his credit at banks to his trustees upon trust that they should invest the same in their names, and pay the income to his wife; and subject thereto he directed that these moneys and investments representing the same should form part of his residuary estate. He bequeathed all his personal estate not otherwise disposed of to his nephews in equal shares. Plaintiff's case (said counsel) was that all the assets in question were acquired either out of capital belonging to the plaintiff or out of income of her property—namely, the business or investments made by means of the business. He contended that these were really gifts by the wife to the husband. Plaintiff gave evidence in support of her counsel's opening statement. In consequence of plaintiff's denial that she gave any of the property to her husband, and of the inability of defendant's counsel to prove otherwise, counsel and solicitors on both sides conferred privately, with his Lordship's approval, with the view of arriving at a settlement. Mr. Jenkins subsequently announced that he proposed to take a declaration that the testator was at his death, and the defendant was now, a trustee for the plaintiff of the real estate and the various investments and so on, and that defendant, as trustee, should render an account of income actually received from those investments since the death. He ought to add that defendant would be the trustee of those investments if any had been sold. He proposed to tax the defendant's costs of action, including his costs, charges, and expenses as administrator. Within a month of plaintiff's securities being transferred to her solicitors they would pay over to defendant any balance of his costs, a sum equivalent first of all to the debts and funeral and testamentary expenses, and in addition to that a sum of 800*l.*, to be applied as to 200*l.* to payment of a legacy bequeathed by deceased to his sister, 250*l.* each to Leonard Revell and Frank Revell, and 100*l.* to the lady to whom testator had given the reversion of the residence. Plaintiff only claimed and would receive any furniture, chattels, and so on, which were hers in 1884, or since received from any member of her family or from the estate of any deceased member of her family. Plaintiff gave up her claim to a sum of about 150*l.* standing to the credit of the testator at two banks. His Lordship said he thought the administrator (the defendant) had been well advised to come to those terms of settlement. A declaration was then made by the Court that the testator was at his death, and the defendant was now, the trustee of the plaintiff, and the terms outlined by Mr. Jenkins were referred to the Master to draw up the necessary order.

Deed of Arrangement.

Ellithorne, Arthur Henry, 26 Wellington Road, Birkenhead, Chemist and Druggist.—Trustee, P. S. Booth, 2 Bixteth Street, Liverpool, accountant. Dated November 28: filed December 4. Liabilities 731*l.*, with contingent liability of 500*l.* not expected to rank; estimated net assets, 733*l.* Among the creditors are: Parke, Davis & Co., 16*l.*; Kodak, Ltd., 8*l.*; S. Maw, Son & Sons, Ltd., 4*l.*; W. Toogood & Son, Ltd., 13*l.*; Idris & Co., Ltd., 13*l.*; Southall Bros. & Barclay, Ltd., 5*l.*; Evans Sons Lescher & Webb, Ltd., 38*l.*; Schweppes, Ltd., 37*l.*; Ayrton, Saunders & Co., Ltd., 42*l.*; Clay & Abraham, 18*l.*; John Thompson, Ltd., 20*l.*; H. Jackson & Son, 16*l.*; R. Gibson & Son, Ltd., 7*l.*; York Glass Co., 6*l.*; Fassett & Johnson, Ltd., 8*l.*; The British Drug Houses, Ltd., 17*l.*; Burroughs Wellcome & Co., 3*l.*; and Allen & Hanburys, Ltd., 21*l.*

Gazette.

Bankruptcy Acts.

ADJUDICATION.

RING, H., Oakleigh, Western Road, Flixton, Chester, and 5 Cheapside, Manchester, trading as Harold Ring & Co., chemical merchant.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

LORIVAL MANUFACTURING CO., LTD. (P.C.).—Capital 100,000*l.* Objects: To carry on business as manufacturers of chemicals, electrical appliances and accessories, etc. R.O., 6 Lloyd's Avenue, London, E.C.

T. P. PARKES & CO., LTD. (P.C.).—Capital 5,000*l.* Objects: To carry on the business of manufacturers of and dealers in chemicals and surgical requisites, laboratory furnishers, cabinet-makers, instrument-makers, metal-workers, coppersmiths, glass-blowers, manufacturers of and dealers in toilet requisites, photographic materials, and optical instruments, etc. R.O., 24 Thavies Inn, London, E.C.

SNOWDON, SONS & CO. (MANCHESTER), LTD.—Capital 50,000*l.* Objects: To take over the business carried on at 34 Pall Mall, Manchester, as J. B. Walsh & Co., and to carry on the business of producers, blenders, manufacturers, extractors, importers, exporters, refiners, storers, suppliers, and distributors of oils and greases for all purposes, manufacturers of and dealers in automatic and other lubricators, packings, jointings, and compounds. Agreement between J. E. Walsh and L. Bradbury of the first part, Snowdon, Sons & Co., Ltd., of the second part, C. F. Rymer of the third part, and T. G. Wintle of the fourth part.

CASSEL CYANIDE, LTD.—The report for the year to September 30 last shows a net profit of 108,385*l.*; 38,134*l.* was brought forward, and after deducting 20,590*l.* for further payments under the Finance Acts the disposable balance is 125,929*l.* It is proposed to pay a further dividend of 2*s.* per share, making 3*s.* per share for the year, less tax, leaving 20,179*l.* to carry forward.

TAYLORS' DRUG CO., LTD.—The annual general meeting was held at the Hotel Métropole, Leeds, on November 28, when Mr. Thomas Waide, the retiring director, and Messrs. Lee & Whitfield, auditors, were re-elected. It was reported that for the year ended June 30, 1918, the profits amounted to 23,311*l.* A dividend on the preference shares for the year at 6 per cent. was declared; also a dividend and bonus on ordinary shares for the year of 10 per cent. and 3 per cent. respectively; 7,234*l.* was placed to reserve, and 15,421*l.*, subject to excess-profits duty, was carried forward.

ASSOCIATION OF MANUFACTURING CHEMISTS, LTD.—The fourth annual report, which has just been issued, states that there are now 208 subscribers on the books, an increase of ten during the year. The majority of the largest wholesale manufacturing chemists and allied traders are now members. The debt recovery department has fully maintained its record of usefulness and utility. The number of applications was 3,437, representing 17,693*l.* 7*s.* 2*d.* Of this amount 11,148*l.* 15*s.* 7*d.* was collected without having recourse to legal proceedings. The inquiry department has advanced very rapidly, the number of reports issued during the year being 6,438.

ILFORD, LTD.—The directors' report for the year ended October 31, 1918, states that, after making allowance for depreciation and provision for doubtful debts, the net profit is 35,443*l.* 7*s.* 10*d.* This amount, with 8,844*l.* 11*s.* 8*d.* brought forward from last year, gives 44,287*l.* 19*s.* 6*d.* for appropriation. The directors have paid the dividend on the 6 per cent. preference shares, amounting to 11,400*l.*, leaving a balance of 32,887*l.* 19*s.* 6*d.* From this balance the directors recommend that 10,000*l.* be written off goodwill, and that a dividend of 6 per cent., amounting to 11,400*l.*, be paid on the ordinary share capital for the year ended October 31, 1918. This will absorb 21,400*l.*, leaving 11,487*l.* 19*s.* 6*d.* to be carried forward.

LEWIS & BURROWS, LTD.—The report of the directors for the year ended September 30, 1918, states that the company has continued to progress. A sum of 1,000*l.* has been set aside out of profits to be added to the depreciation reserve account. The net balance available is 10,592*l.* 9*s.* 11*d.*, out of which it is proposed to place 2,000*l.* to the general reserve account, to pay a dividend at the rate of 6 per cent. per annum (less income-tax) on the preference shares, and at the same rate on the ordinary shares, leaving a balance of 3,793*l.* 13*s.* 11*d.* to be carried forward, out of which payment of excess profits duty will be made in due course. Upon the passing of the present accounts and the adoption of the report, the reserve funds will stand at 13,103*l.* 6*s.* 3*d.* During the year the lease of 29 Warwick Street, S.W., expired, and has been renewed. The director who retires by rotation is Mr. J. K. Matterson; he is eligible and offers himself for re-election.

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Deaths.

BLENKINSOP.—At Hay House, St. Margaret's, Twickenham, of pneumonia following influenza, on December 9, Mr. William Richard Blandford Blenkinsop, F.C.S., aged thirty-nine. The late Mr. Blenkinsop was managing director of May & Baker, Ltd., Garden Wharf, Battersea, S.W., to which position he succeeded on the death of his father in 1916. As a member of the Imperial Yeomanry he served in the Boer War, after which he took up a position with his company. He received his scientific education at South Kensington, and on his entry into the business he gradually took charge of the manufacturing production. He took a keen interest in the work of various scientific bodies, and his death at so early an age is a distinct loss. He leaves a widow and two children.

BOOTH.—At Llwyngwril, on November 21, Mr. W. J. Booth, representative of G. T. W. Newsholme, Ltd., Sheffield.

DAVIES.—At Barrow-in-Furness, on December 2, Mr. Jenkin William Davies, chemist and druggist, aged fifty-two Mr. Davies, who for the past twelve months had been branch manager to Mr. J. Bryden, chemist and druggist, Michaelson Road, was found in bed in an unconscious condition, and died in hospital the same day. A verdict was returned at the inquest to the effect that he had poisoned himself while temporarily insane.

ELLIS.—At Preswylfa, Llanfair, Welshpool, on November 28, Mr. Hugh Edward Ellis, Ph.C., aged forty-three. Prior to opening in business in 1900 Mr. Ellis had been a lecturer in chemistry at Aberdeen. He was a member of the School Board and other public bodies at Llanfair.

GUARESCHI.—Recently, Icilio Guareschi, Professor of Pharmaceutical Chemistry and of Toxicology at the University of Turin. Professor Guareschi was born in San Secondo, Parma, in 1847. He became Professor of Chemistry at the Technical Institute in Livorno in 1873, and six years later joined the staff of Turin University. Professor Guareschi was one of the editors of the "Enciclopedia di Chimica" and its supplements, and subsequently of the "Nuova Enciclopedia." He was also the author of a monograph on alkaloids, and wrote several historical studies. The objects of his research included asparagin, podophyllin, strychnine, ptomaines, aldehydes, bromides, and the determination of atomic weights. At the meetings of the International Congress of Applied Chemistry in Rome in 1906 he was a prominent figure (*C. & D.*, I., 1906, p. 752).

PROFESSOR I. GUARESCHI.

HART.—At 50 Edridge Road, West Croydon, on November 26, Mr. Alfred Hart, chemist and druggist, aged eighty-three.

HARVEY.—At Frome, on November 28, Mr. William Brett Harvey, Ph.C., aged eighty-eight. Mr. Harvey was for many years at Yeovil. He was an ex-President of the Western Temperance League.

HILL.—At 23 Chapel Street, Chorley, Lancs, on December 1, Mr. William Hill, chemist and druggist, aged sixty-seven. Mr. Hill was the oldest chemist in business in Chorley. He leaves a widow, two sons—one of whom is serving with the Forces—and two daughters.

HOLMES.—At 1 Newland Avenue, Hull, on December 10, Annie, widow of the late Mr. Samuel Holmes, pharmacist, aged sixty-nine.

PARRY.—At 121 Granby Street, Princes Road, Liverpool, on December 4, Mr. Richard Parry, chemist and druggist. Mr. Parry, who qualified in 1884, was widely esteemed as a courteous pharmacist and a good citizen. He is survived by a widow and a son (Mr. R. E. Parry, chemist and druggist, who has been associated with his father in business). The funeral took place at Smithdown Road Cemetery on December 6.

SCOWBY.—At Station Road, Burnham-on-Crouch, on November 20, Mr. Joseph Newsome Scowby, chemist and druggist, aged fifty-two.

TURNER.—At 309 Cemetery Road, Sheffield, recently, Mr. John Turner, chemist and druggist, aged seventy-eight. Mr. Turner took over in 1870 the business of Mr. Jenkinson, 118 The Moor, now carried on by Mr. H. G. Williams. He had for some years prior to his death been living in retirement.

WILLIAMSON.—At 159 Breck Road, Anfield, Liverpool, on December 1, of pneumonia, Mr. Nicholas Williamson, chemist and druggist, aged sixty-nine. Mr. Williamson, who was one of the veterans of Liverpool pharmacy, enjoyed the esteem both of his fellow-chemists and the public. The funeral took place at Rake Lane Cemetery, Wallasey, on December 4.

ZIMMERMANN.—At his residence, "Colonia," Bromley, Kent, on December 5, Mr. F. August Zimmermann, senior director of A. & M. Zimmermann, Ltd., 3 Lloyd's Avenue, London, E.C., aged seventy-seven. Mr. Zimmermann, who was doyen of the foreign chemical-agents in London, had been absent from business about five weeks, succumbing to an attack of pneumonia following on bronchitis. He was a native of Cologne, and came to this country in 1862, commencing his career as a junior clerk in a drug and chemical house, and in 1864 he, together with his brother, the late Moritz Zimmermann, established themselves in business as chemical merchants and agents, as A. & M. Zimmermann, and this partnership was continued until the death of his brother in 1895. When the firm commenced business the German industry in pharmaceutical chemicals was in its infancy, and the two brothers, working assiduously, eventually built up a leading position as representatives of German manufacturers. Through Mr. Zimmermann's instrumentality bromide of potassium was first introduced to this market, and in 1868 he imported chloral hydrate for the first time. Iodoform followed in 1874, and in 1886 he introduced acetanilide or antifebrin, iodol, etc. Mr. Zimmermann took a keen interest in anything pertaining to the chemical-industry, and although his main interests lay in the propagation of German trade, he was always ready to promote and stimulate the interests of the British wholesale trade, among the older members of which he commanded a great measure of respect. He leaves a widow, three sons, and four daughters. Mr. Zimmermann was denationalised in Germany in 1862, and naturalised in this country in 1870. A Requiem Mass was held at St. Joseph's, Bromley, the interment taking place at the Crystal Palace District Cemetery on December 9, among those present being the following representatives of the chemical-trade: Messrs. Hugo Lorenz, F. A. Petri (Petri Bros.), Geo. Haller, F. Shaw (Curling, Wyman & Co., Ltd.), B. S. Green, G. A. Hamilton, A. A. Back, S. C. Townsend, Second-Lieutenant W. R. Smith, and others.

MR. F. A. ZIMMERMANN.

Died on Service.

ATKINSON.—Private Charles Henry Atkinson, A.S.C., died in hospital at Aldershot, of pneumonia, on November 25. Prior to joining the Army Private Atkinson was with Joseph Crosfield & Sons, Ltd., Warrington.

CRANMER.—Lance-Corporal Charles Thomas Cranmer, Royal Welsh Fusiliers, has been killed in action. Prior to joining the Forces in 1916 Lance-Corporal Cranmer was with R. Parkinson & Sons, chemists and wholesale druggists, Curzon Street, Burnley.

MOIR.—Private Archibald Moir, Royal Scots, has been killed on service. In civil life Private Moir was with T. & H. Smith, Ltd., Edinburgh.

RITCH.—Captain William Robertson Ritch, Scottish Rifles, is now reported by the War Office to have been killed on March 23, their previous notification having been that he was wounded on that date and missing. He received the mortal wound while gallantly rallying his men against the attack just commencing on the Western Front. In private life Mr. Ritch had for many years been the Scottish representative of Sparks, White & Co., Ltd., by whom his faithful services were much appreciated. For a number of years prior to the war he had been an ardent Volunteer, and, at a later date, a Territorial, the experience so gained proving very useful to him. He received his commission in November 1914, so that he saw about three and a half years' active service. He leaves a widow and a son.

Personalities.

MR. DAVID JONES, chemist and druggist, Llanfyllin, has been elected a member of the Llanfyllin town council.

MR. G. CLARIDGE DRUCE, J.P., Ph.C., Oxford, has been elected a member of the Oxford City Education Committee.

MR. GEORGE EGERTON GILLARD has been appointed Secretary to Evans Sons Lescher & Webb, Ltd., in succession to the late Mr. L. J. Prinney.

MR. F. D. PHILLIPS, chemist and druggist, 26 Market Street, Haverfordwest, has been "mentioned" for valuable services rendered in connection with the war.

BRO. S. F. CLARK (Boots, Ltd.) was on December 4 elected Vice-Arch of the North Sheen (Surrey) Lodge of the Ancient Order of Druids for the ensuing session.

GUNNER OSTLE, Royal Garrison Artillery, who in civil life was an assistant with Mr. A. H. Molson, chemist and druggist, Spalding, has been wounded on active service for the third time.

A CERTIFICATE OF NATURALISATION has been granted to K. K. Chavooshian (Egyptian), 36 Highdown Road, Hove, his occupation being described in the "London Gazette" as a pharmaceutical chemist.

LIEUTENANT EDGAR WILSON, West Yorkshire Regiment, in pre-war days a member of the analytical staff of the Cleckheaton Chemical Co., Ltd., Cleckheaton, has been awarded the Military Cross.

AT THE RECENT ANNUAL MEETING of the Warrington Tradesmen's Association, Mr. J. Rymer Young, Ph.C., was elected a Vice-President, and Mr. H. M. Ashton, chemist and druggist, was elected to the Executive Committee.

MR. J. J. BOOTH (Booth & Co., wholesale druggists, Idle, Bradford) has been presented with an enlarged photograph of himself by the Executive Committee of the Bradford Cricket League, of which he has been President for many years.

CORPORAL H. WALWIN, son of Mr. Walter Walwin, chemist and druggist, Gloucester, has arrived home after over two years spent in captivity. Corporal Walwin was reported killed in 1916, but happily the report proved to be unfounded.

CAPTAIN F. C. SCHOFIELD, R.E., who joined the Army in 1914, is now Adjutant at the War Dog School, Lyndhurst. Captain Schofield has been out twice, and is permanently unfit. In pre-war days he was with Boots, Ltd., at Bishop Auckland.

MR. NORMAN BLACOW, chemist and druggist, Lancaster, who was before the electors of the Lancaster Division as candidate of the Discharged Sailors' and Soldiers' Association, withdrew his candidature, as he states, chiefly on the grounds of indifferent health.

MR. F. H. WALL, F.C.S., chemist and druggist (manager, Boots, Ltd., Lord Street, Southport), is named in the "Special Mentions," issued by the War Office, of those who have rendered "valuable services" in connection with hospital work during the war.

AT THE QUARTERLY MEETING of the Grand Lodge of English Freemasonry, held recently at Kingsway Hall, London, W.C., Wor. Bro. Henry J. Dalgleish, P.P.G.D., Devonshire, was re-elected for the ninth year in succession a member of the Board of Benevolence.

AT THE ANNIVERSARY MEETING of the Aberystwyth Lodge of Freemasons, No. 1072, on December 5, Bro. W. Miall Jones, S.W., Ph.C., was installed Worshipful Master, Bro. Edward W. Wynne, chemist and druggist, was appointed J.W., and Bro. E. P. Wynne, chemist and druggist, was reappointed Almoner of the Lodge.

THE reference to the lecture on "The Making of Liverpool" delivered by Mr. W. H. Saunders before the Philomathic Society (*C. & D.*, November 30, p. 38), has brought Mr. Saunders inquiries for copies of the pamphlet. We were in error in assuming that further supplies were available, but it is possible that arrangements may be made to meet the demands.

LIEUT.-COLONEL A. W. CROSSLEY, formerly Professor of Chemistry to the Pharmaceutical Society of Great Britain, has been appointed to the Daniell Professorship of Chemistry at King's College, London, the position which was held until recently by Sir Herbert Jackson, who has been appointed Director of the British Scientific Instrument Research Association.

MR. HAROLD W. HARRIE, who has been Hon. Secretary of the Bournemouth branch of the Commercial Travellers' Association for ten years, has been presented, on his retirement from office and removal to London, with an illuminated address and some valuable Cauldon and Minton china. Mr. Harrie has just completed thirty years' service with C. R. Harker, Stagg & Morgan, Ltd., Devon Wharf, London, E. 1.

IT appears that Mr. W. J. Uglow Woolcock, M.P., was unopposed at the nomination of members for Central Hackney owing to the nomination-papers of the other candidate, Colonel E. P. Cawston, being out of order. The address of one of Colonel Cawston's nominators was not the same as that given for the same person on the official list of voters, the nominator having recently changed his residence. The Returning Officer on this account found the nomination-papers invalid.

CAPTAIN W. A. POUCHER, R.A.M.C., Ph.C., who has just been promoted to his present rank, is a native of Horncastle. After passing the Qualifying examination in January 1913 and the Major in the following July, he joined the staff of Allen & Hanburys, Ltd. In December 1914 he took charge of medical stores and dispensaries in the Eastern Command; in 1915 he was commissioned and went out to France, where in addition to the discharge of his routine duties he has consistently worked for pharmaceutical efficiency in the Army.

MR. W. GEORGE WHIFFEN, F.I.C., was on December 4 presented by the clerical and factory staffs of Whiffen & Sons, Ltd., with an illuminated address in commemoration of the fiftieth year of his association with the business. The address contained about 200 names, and its presentation took place in the presence of a representative and enthusiastic gathering. In returning thanks, Mr. George Whiffen alluded to the fact that the Committee's average of service worked out at just over thirty-four years. Fifty years ago there were nine men employed at the Battersea factory when he joined up to make the tenth. He wished to mark this event and the advent of peace by doing something for the benefit of his workers, and announced that he was presenting 10,000*l.* in War Stock to trustees of the firm's pension fund. Mr. Whiffen dwelt upon the benefits of co-operation and good will between employers and employed, and assured those present that he and his brother would continue to study the interests of their employés in any change of industrial conditions the future may have in store.

MR. SYDNEY JAMES PARSON, chemist and druggist, the newly elected President of the Cambridge and District Pharmaceutical Association, was apprenticed to his father at 3 and 5 Peas Hill, Cambridge. He studied for the Qualifying examination under Mr. Watson Will, passing in 1902. On the sudden death of his father he succeeded to the business, which under his control has extended considerably. A branch was acquired a few years ago at Mill Road, and is now carried on by his brother. For some years Mr. Parson has been a member of the local Association, and has done good work on the Pharmaceutical Committee and the Pricing Committee. He is a member of and Organist to the Three Grand Principles Masonic Lodge, No. 441, Cambridge.

MR. S. J. PARSON.

THE RETIREMENT OF MR. J. F. HARRINGTON from the Council of the Pharmaceutical Society of Great Britain severs a connection which dates back to 1898, when Mr. Harrington was co-opted to fill the vacancy created by the retirement of the late Mr. Robert Hampson. He has the distinction of being the first "Minor" man to obtain a seat on the Council, the Pharmacy Act, 1898, having given power to elect to the Council other than pharmaceutical chemists. He was appointed Vice-President in 1907, and was President in 1909-1911. He carries on business at 15 High Street, Kensington, in a model pharmacy erected in 1909, although the business was established at 45 High Street in 1850. Mr. Harrington is a well-known Mason. We regret that ill-health has caused him to resign his position on the Council, and trust that lessened responsibility will soon lead to his speedy recovery.

MR. J. F. HARRINGTON.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," October 30, 1918.)

"SPUNSILK FACE POWDER," "THE SKIN YOU LOVE TO TOUCH," etc., with pictorial device; for face-powder (48). By S. Grover, 191 Queen's Road, Hatcham, S.E. 15. 384,066.

"ISMALINE" and "ISMA"; for toilet preparations (48). By H. W. Saunderts, 25 Duncan Terrace, City Road, N. 1. 384,854/5. (Associated.)

"PYRAMID AEROPLANE DOPE, NON-INFLAMMABLE, NON-POISONOUS," with device of pyramid; for a dope for aeroplane textiles (50). By J. Nicholson & Sons, Ltd., St. Ann's Chemical Works, Heaton Junction, Newcastle-on-Tyne, E. 383,788. (Associated.)

"MILITARY" over device of sword and scales ("Military" disclaimed), "BARBER" over device of sword and scales ("Barber" disclaimed); for hair-combs (50). By The North British Rubber Co., Ltd., Fountainbridge, Edinburgh. 385,057/058. (Associated.)

(From "The Trade-marks Journal," November 6, 1918.)

Circular Irish emblematic device with words "MANUFACTURED IN DROGHEDA" and "CEUS PRASIDIUM MERCATURA DECUS"; for chemicals (2) and mineral waters, etc. (44). By Luke J. Healy, 81 West Street, Drogheda. 384,191/2. (Associated.)

"RABITON" and "PULLETON"; for chemicals (2). By H. Vivash, "Eastworth," Brighton Road, Worthing. 385,175/6.

"INTERNATIONAL CHEMICAL CO., LIMITED, LONDON, ALWAYS GIVE SATISFACTION OR MONEY BACK" and monogram "I C C" on star-shaped device; for chemicals (3). By International Chemical Co., Ltd., 7 Wybert Street, Munster Square, London, N.W. 1. 383,893. (Associated.)

Device of fruit on label with words "FRUIT SALT," "ENO," "TRUTH AND LIGHT," etc.; for a medicine (3). By J. C. Eno, Ltd., 25 Pomeroy Street, New Cross Road, S.E. 14. 384,153. (Associated.)

"WM. LEES" facsimile signature; for an antiseptic (3). By W. Lees, 2 West Sanquhar Road, Ayr. 384,905.

"CLARKSON'S PILE POWDER, RYDE, ISLE OF WIGHT," and facsimile signature "A. CLARKSON & COY."; for a medicine (3). By A. Clarkson & Co., Dudley House, John Street, Ryde, Isle of Wight. 385,033. (Associated.)

"FORMOCAL BRAND ANTISEPTIC LOZENGES"; for medicinal chemicals (3). By A. Wander, Ltd., 45 Cowcross Street, E.C. 1. 385,340.

"BISHOPS PURE DRUG CO." on oval device of two bishops; for scientific instruments, etc. (8), and for perfumery, etc. (48). By Bishops Pure Drug Co., 460 Holloway Road, N. 7. 385,159/60. (Associated.)

"AFRALIA"; for safety razors and blades (12). By T. Lea Elliott, 40 Summer Row, Birmingham. 385,179.

"PURE OLIVE OIL" on device including Spanish girl; for all goods (42). By Pallarés Hermanos, Calle Vado del Mozo 1, Cabra, Spain. 380,290.

"BOWL BRAND BIRKS'S JUNKET POWDER," etc., with pictorial device; for junket powder (42). By J. B. Birks, 2 College Road, Harrow, Middlesex. 384,239.

"FURZEDOWN," across branch of furze "FURZEDOWN"; for food substances (42). By J. Pascall, Ltd., 100 Blackfriars Road, S.E. 1. 385,146/182. (Associated.)

"PERMANOL"; for hair-dyes, etc. (48). By W. E. Evans, 27 Chancery Lane, W.C. 2. 385,310.

"FASCINATION"; for perfumery, etc. (48). By J. Grossmith & Son, 29 Newgate Street, E.C. 1. 385,415.

"LEXAN"; for all goods (48). By A. G. Mackay, 584 Cathcart Road, Govanhill, Glasgow. 385,483.

"HERMES BRAND" over picture of Mercury bearing the Caduceus, "CADUCEUS BRAND" with picture of rod surmounted by wings and entwined by two serpents; for brushes and combs (50). By W. Booth, 45 Eden Grove, London, N. 7. 385,030/1.

(From "The Trade-marks Journal," November 13, 1918.)

"CALCEDON"; for veterinary chemicals (2). By E. T. Pearson & Co., Ltd., 49 Watling Street, London, E.C. 4. 384,730.

"CINOTA" and "SINOTA"; for medicinal chemicals (3). By C. Davis, 51 Rue du Rocher, Paris. 384,113/4. (Associated.)

"MORTPAIN BRAND BALSAM"; for medicinal chemicals (3). By Warrick Bros., Ltd., 6 Nile Street, City Road, N. 1. 385,088.

"STELLA DYES" on aeroplane device; for dyes (4). By J. B. & W. R. Sharp, Ltd., Lumb Chemical Works, Off Blackburn Road, Edenfield, Lancs. 383,620.

"MERRIE ENGLAND"; for food substances (42). By Cadbury Bros., Ltd., Bournville, Birmingham. 383,139.

"MILL-STREAM FLOURS" with picture of mill-stream; for goods (42). By The Liverpool Products Co., 18A New Quay, Liverpool. 384,641.

"DENTORA"; for a teeth preparation (48). By Brown's Cash Chemist, 119 South Lambeth Road, S.W. 9. 384,619.

"EMODA"; for toilet preparations (48). By A. J. Rogers, 6 and 7 Stone Street, Dudley. 385,482.

(From "The Trade-marks Journal," November 20, 1918.)

"NITROGENIC" and triangle and diamond-shaped device ("Nitrogenie" disclaimed); for all goods (2). By P. Artingstall, Ltd., 51 North John Street, Liverpool. 385,304.

"PLOMME," for medicinal chemicals (3); "FELBO," for perfumery, etc. (48). By C. Davis, 51 Rue Du Rocher, Paris. 384,255, 385,490.

"TATLOCK" and device ("Tatlock" disclaimed); for all goods (11). By Baird & Tatlock, Ltd., 45 Renfrew Street, Glasgow. 384,892.

"MIRA"; for goods (8) and (11). By M. A. Codd, 62 Belvedere Road, S.E. 1. 385,103/4. (Associated.)

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Trade Notes.

LYSOLINE HAIR-TONIC.—Lysol, Ltd., Stratford, London, E. 15, give particulars in their advertisement of a special window-display offer of Lysoline hair-tonic.

CHRISTMAS TRADE.—Hoods, Ltd., International Exchange, Edmund Street, Birmingham, advertise in this issue Japanese-made vacuum flasks (Raditherm) and Japanese toilet-paper. The prices are given in the announcement.

ICY-HOT VACUUM FLASKS.—Henry C. Quelch & Co., 4 and 5 Ludgate Square, London, E.C. 4, have now ready for immediate delivery a consignment of Icy-hot vacuum flasks. The two popular varieties are illustrated in the firm's advertisement in this issue.

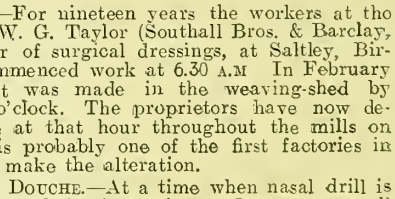
NUJOL is the name given to a medicinal liquid paraffin produced by the Nujol Laboratories, Standard Oil Co. (New Jersey), New York. It is sold packed in bottles ready for retail sale. The agents for the United Kingdom are the Anglo-American Oil Co., Ltd., 36 Queen Anne's Gate, Westminster, London, S.W.

"LUTON" HOUSEHOLD DYES.—Whitaker & Co., Kendal, and 60-62 Clerkenwell Road, London, E.C., who are well known in the trade on account of the Luton straw-hat dyes, are introducing a series of household dyes under the same brand name. There are twelve colours in the standard range, and the dyes are sold in 2*d.*, 3*d.*, and 6*d.* packets.

BRITISH QUININE.—The Hon. C. S. Strutt, at the meeting of the Anglo-Dutch Plantations of Java, having referred to Howards & Sons, Ltd., as being "the only British manufacturers of quinine," H. Jarvie & Co., Ltd., Scotia Chemical Works, Coatbridge, inform us that they have been "manufacturers of quinine from cinchona-bark for fourteen years."

SHORTER HOURS.—For nineteen years the workers at the Charford Mills of W. G. Taylor (Southall Bros. & Barclay, Ltd.), manufacturer of surgical dressings, at Saltley, Birmingham, have commenced work at 6.30 A.M. In February last an experiment was made in the weaving-shed by starting at eight o'clock. The proprietors have now decided to commence at that hour throughout the mills on January 1. This is probably one of the first factories in the textile-trade to make the alteration.

HEWLETT'S NASAL DOUCHE.—At a time when nasal drill is so popular as a prophylactic against influenza, we call attention to the handy form of nasal douche which is made by C. J. Hewlett & Son, Ltd., 35 to 42 Charlotte Street, London, E.C. The apparatus is shown in the illustration. It is made of toughened glass, and can therefore be sterilised by boiling. The manner of using the douche is obvious, but an additional point is that by placing the finger over the central opening the flow of the douche liquid can be regulated. The douche costs 8*s.* per doz.



Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

249/49. "Cuckoo" brand ear-syringes (bone handles)
245/70. N.H.I. prescription-pricing (who undertakes)
247/45. "Eau Flamande" (for cleaning oil paintings)
243/61. "Oriental Head Curl Balm"
244/57. Evatmine, supply
244/56. "Thistle" throat-spray
247/35. Medicated sawdust (Dr. H. O. Thomas's formula)
247/350. Rennettes
244/54. "Laxan Konfect"
247/64. Horns' trusses, London supply
239/8. "Anopin" hypodermic tablets
238/23. "Cancacrettes"
234/59. "Deodar" disinfectant.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

Felt corn-plasters, 234/46
Filter-papers, 232/34
Foster's pills, 235/62
"Genaspirin," 233/6
"Ivory" soap, 231/35
John's condition-powders, 236/66
"Vapex," 229/29
Vichy fructines, 244/70
Waxed papers, 249/2
Williams's shaving-soap, 238/22
Xylol, 218/73
Younit" shop-window interchangeable show-stands, 229/56

Observations and Reflections.

By Xrayser II.

Mr. W. J. U. Woolcock, M P.,

is to be congratulated on his unopposed return for Central Hackney, by which no doubt he has been saved a good deal of expense, and we may congratulate ourselves on the same account. It is entirely well that pharmacy should have the benefit of the presence of pharmacists in Parliament, but the direct representation of any trade as such is another matter, and one on which difference of opinion is possible. There is, let us say, an issue before the country of the very greatest gravity, one that completely dwarfs any that affects ourselves as pharmacists merely. Which ought we to consider in electing a representative, our trade interests or the national welfare? It might happen that to support the pharmaceutical candidate would lessen the chance of the return of one whose election we should on purely patriotic grounds prefer. None of us would personally support the best possible pharmaceutical candidate who was pledged to a national policy we thought certain to prove disastrous. We should have more regard for the national welfare than for our own selfish interests, and if this is true of us personally it should be true of us collectively. What would be the result if every trade or separate interest in the country were to finance candidates pledged to the support of its particular interests? We should inevitably lose all sense of politics, in the larger meaning of the term, Parliament would sink to the level of a council of trade, patriotism would become a phrase merely, and if the sentiment of nationality survived at all it would be that of a nation (in the most sordid sense) of shopkeepers.

The Statement of Accounts

presented to the Council last week by the Finance Committee shows a really serious state of affairs. There was an adverse balance at the last meeting of 128*l.* 14*s.*; this has now increased to 328*l.* 0*s.* 4*d.*, in spite of a loan of 1,000*l.* from the Benevolent Fund. To this loan there are, as it seems to me, very grave objections. It is regarded no doubt as an investment, but is it a sound investment, and, in any case, ought a body entrusted with the administration of such a fund to invest it or any part of it in a concern for the control and government of which they are themselves responsible? The question is the more important in remembrance of the late President's serious warning of increasing financial embarrassments ahead of us if nothing is done, and done soon, to prevent them. To borrow money anywhere is not to prevent but to hasten them; and subscribers to the Benevolent Fund have a right to complain of the use that is being made of their benevolence. Whether they complain or not, the borrowing from one pocket to replenish the other is wretchedly bad business.

A Whitley Council for Pharmacy

on the lines sketched by Mr. Jenkin, desirable as it may be in itself, would hardly supply the want very generally expressed for a pharmaceutical trade union, since, if not a necessary condition of such a Council that it should be, as Mr. Jenkin mildly put it, "rather consultative than legislative," that would inevitably be the character of any Council subject to the direction and authority of the Pharmaceutical Council itself. The practical result of such subject Councils is seen writ large in the history of the Local Associations Executive. What we want is an independent body spontaneously formed by the trade itself and as a whole, and able to enforce its decisions upon its members, and it is absurd to suppose that such a body will ever be born of the Pharmaceutical Council. Mr. Jenkin's scheme is apparently intended to include all the interests of the drug-trade, and he seems quite serious about it, if rather vague in his ideas. The matter was, however, worth mooting at the Council, and the Committee's report upon it will be awaited with interest.

The Evolution of Pharmacy,

if by pharmacy we mean the business of the druggist or pharmaceutical chemist (which is its original, and a still current sense), seems to Mr. Humphrey (in "The Script") not to accord with the rather formidable definition of evolution given by Herbert Spencer. But it might easily be shown to agree with the much simpler definition of Mr. Edward Clodd: "Evolution is advance from the simple to the complex," which is perhaps as good a one as Spencer's, so far as it goes. Our business is much more complex now than it was when I entered it. No ordinary chemist would in those days have undertaken duties which now frequently devolve upon us, duties demanding qualifications which then not one man in a hundred even professed to possess. Analysis, photography, sight-testing, microscopy (not to mention bacteriology, which was, of course, undreamt of) —I never met but one man in business who attempted any of these, unless, it might be, as a pastime. We had our "side-shows," no doubt—tooth-extraction, for instance —but these were not regarded, strictly speaking, as part and parcel of our business. The case is very different now; there is a certain tendency towards "differentiation of function" as regards some of them, but "combination" rather than "separation" seems the order of the day. Returning to Spencer, it would seem after all that what he calls "coherent heterogeneity" is a more accurate description of pharmacy now than it would have been fifty years ago.

My Apprenticeship Indenture

turned up the other day in the drawer of an old bureau, and reminds me that it is fifty-six years, almost to a day, since I was formally committed to the drug-trade. In the retrospect my apprenticeship itself looks, I fancy, more roseate than it really was. It extended over four years, during three of which I had the privilege, in consideration of a payment of 60*l.*, of doing three parts of the work of an exacting business for fifty weeks in the year. My hours were from 8 A.M. to 10.30 P.M. daily, with one evening a week off: I do not think I ever missed a single day. Formerly my governor had always kept a good assistant. I took his place, and in twelve months was doing all his work, almost daily in sole charge of the shop for hours together. We did a fair amount of dispensing, a little counter-prescribing, and a very good fancy and family trade, making most of our own "toilet and family requisites." Early in my career I gave a baby six grains of P. Doveri in mistake for P. Basilic. The baby, somehow, was none the worse, and the powder did me good, for I have never made a mistake of any moment since. But what of the trade then and now?

"The Change 'twixt Now and Then"

is most marked as regards the salaries paid to assistants. Allowance being made for the increased cost of living, they are fully double what they were; I should say, indeed, more than double. I do not mean to say they are too high now; they ought to be higher than they are if the business would allow of it, but it won't, and that is the only possible reply to those of your correspondents who have been for weeks discussing the subject. As I said last week, if we are to pay bigger salaries we must get bigger profits. Profits have gone down in my time as much almost as salaries have gone up. We used to get full price for all proprietaries; we got much better prices for prescriptions, and the prescriptions cost us much less than they do now. There were no proprietaries in them, there was very little fancy prescribing, and doses were large as a rule. All this made for profit. The chemist of to-day cannot carry the same amount of working expense as he could then, when he had proportionately much less to carry.

Warning Germany.—"Perhaps I may be permitted to say, as the Lord Chief Justice of this country, with a knowledge of what is expected here of justice, that justice is merciful where there are extenuating circumstances, but where there are none it behoves justice to be stern."—*Earl of Reading.*

"SANITAS"

DISINFECTANTS

(Fluids, Powder, and Soaps).

Also
"Sanitas-Bactox" Homogeneous Phenoloid Disinfectant; 18/20 co-efficient.
"Sanitas Okol" Emulsified Phenoloid Disinfectant: 18/20 co-efficient.
"Sanitas Sypol" (Improved Lysol).
"Sanitas Sulphur Candles."
"Sanitas Formic Sulphugators."
"Sanitas Formigators."
"Sanitas Drain Testers."
"Sanitas Polishes."
(Kingzett's Patent)
"Sanitas Distemper." for walls.
"Sanitas Creoleum" (wood preserver).
Peroxide of Hydrogen (Kingzett's Preserved).

THE "SANITAS" CO., Ltd.,
Locksley Street, Limehouse, LONDON, E. 14.

An old-established American Wholesale Drug House, located in New York City, with branches in the principal Cities, is prepared to represent English and French houses who are desirous of introducing their products to this market.—
Box No. 242/62,
c/o *The Chemist and Druggist.*

METHYLATED SPIRIT.
M.M. Restrictions are now withdrawn.
JAMES BURROUGH, LTD.
D.1. Cale Distillery, Hutton Road, LAMBETH, S.E. 11.

REYNOLDS & BRANSON, LTD.,
Grand Prix LEEDS. Turin 1911.
PHARMACEUTICAL PREPARATIONS.
Tinctures, Ointments, Pills, Tablets, Suppositories.
Standardised and Clinically Tested Galenicals, &c.
SURGICAL INSTRUMENTS.
X-Ray and Electro-Medical Apparatus, Dressings, &c.
AERATED BEVERAGES.
Sparkling Phosferrade, Puritzer, Dry Ginger Ale, &c.
SCIENTIFIC APPARATUS.
(Chemical, Physical, and Photographic). Balances and Weights.
CHEMICALS FOR TECHNICAL AND ANALYTICAL PURPOSES.

FIRE!

G. W. HARRISON, Manufacturing Chemist, Reading, begs to announce that the manufacturing part of his factory was destroyed by fire, which originated in the adjoining premises, on 29th November, and this will interfere for some time with the execution of orders. He anticipates, however, being in full working order again in about a month. Meanwhile, if there is any delay in the execution of orders, which will be taken in strict rotation, he hopes that those affected will appreciate the position. The trade may also find that articles may be somewhat differently packed (some without cartons), but the contents will be the same as heretofore. The firm acknowledge with thanks the communications received, which have been too numerous to acknowledge individually, expressing sympathy.

Sugar is not required—if
Fletchers' Concentrated Liquors
are used in place of the corresponding Syrups.
FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, E.

Essential Oils
AND
Aromatic Chemicals
W. NAUMANN, 40 Charterhouse Sq., London, E.C. 1.

FRENCH AND ALL FOREIGN
Proprietary
MEDICINES
Wilcox, Jozeau & Co.
49 HAYMARKET, LONDON, S.W.
Export and other Buyers should apply for a List.
Foreign Prescriptions dispensed for Pharmacists.

Editorial Articles.

Amending the By-laws.

At the last meeting of the Council of the Pharmaceutical Society the most important item was that referring to the suggested amendment of that portion of the by-laws dealing with the conduct of the examinations. These amended by-laws were not available in time for our report of the Council-meeting, owing, we believe, to the fact that some corrections were made at the last moment. As is well known, alterations in the by-laws have to be approved at three Council-meetings, then by a special meeting of the members of the Society, and finally by the Privy Council. This is in accordance with the Charter and the Pharmacy Act, 1852, but we notice that the by-laws governing the matter require the suggested amended by-laws to be "read," and, as our report shows, this was not done as they were "taken as read." This does not, however, invalidate the first reading, as the terms of the Charter and Statute of 1852 were complied with. It will be borne in mind that the suggested by-laws cannot be amended further without going through the whole of the formalities referred to. This

necessitates great care in drafting if waste of time is to be avoided, although by means of special Council-meetings any loss of time can be made up. The provision has, however, the effect that the members at the special meeting must either approve or reject the suggested by-laws, and this tends to cause the members to waive any suggested amendments that might appear improvements. The present occasion is one of the most interesting we remember because of the fundamental alterations which are being made in the conduct of the examinations. We propose, therefore, to print each by-law and call attention to the alterations that have been made. First it should be noted that fifteen of the by-laws in the section dealing with examinations are unaltered. These have to do with the times of holding the examinations, the appointment of examiners, and method of entering for the examinations. On the other hand, the by-law and schedule referring to the Modified examination have been deleted, as it is unlikely that fifty years after the passing of the Pharmacy Act, 1868, there will be candidates for the examination who can satisfy the conditions under which entry can be made for the Modified examination. The following are the new or altered by-laws :

10. The Boards of Examiners shall conduct all Examinations according to the bye-laws in force in that behalf, and according to such regulations as shall be made from time to time by the Council. All altered or new regulations shall *before becoming operative receive the approval of the Privy Council and shall immediately thereafter* be published in "The Pharmaceutical Journal."

The alteration in this by-law, which is indicated by italics, is of considerable interest. It seems to mark a new departure in that the Privy Council are given power to approve of regulations made by the Council. Hitherto this power has been confined mainly to by-laws. It must be borne in mind that the power in regard to the by-laws which is possessed by the Privy Council is supposed to be exercised in protection of the public and in checking the Council in case the scope of the by-laws goes beyond the powers conferred on the Pharmaceutical Society by the Charter and by Statute. The Privy Council's control has been exercised in rather an erratic manner, but credit must be given to the Privy Council for its refusal to sanction the suggested by-laws which earlier in this year would have placed in a disadvantageous position those apprentices and assistants who were fighting the country's battles. On the other hand, it seems that the powers of the members of the Society are curtailed by the suggested arrangement.

12. Persons desiring to present themselves to the Examiners for examination in accordance with the Charter and Statute, 1852, or the Act, 1868, and having been registered as "Apprentices or Students," shall be examined in *Chemistry, Physics, Botany, Materia Medica, Pharmacy, including Posology, and the translation and dispensing of Prescriptions, the Law relating to the keeping, selling, and dispensing of Poisons and Poisonous Substances,* which Examination shall be called the Qualifying Examination.

The chief alteration here is in the definition of the subjects of the examination. Formerly it was "pharmaceutical and general chemistry" in which the candidates were to be examined. The old expression, the "law relating to the sale of poisons," has been wisely expanded so as to define the other transactions in poisons involved in carrying on the business of a chemist and druggist. By the addition of the words "poisonous substances" the provisions of the Poisons and Pharmacy Act, 1908, are recognised.

13. The Qualifying Examination shall be divided into two parts, viz. :—

Part 1.
(*a*) Chemistry.
(*b*) Physics.
(*c*) Botany.

Part 2.
(*d*) Materia Medica.
(*e*) Pharmacy, including Posology and the Translation and Dispensing of Prescriptions.
(*f*) The Law relating to the keeping, selling, and dispensing of poisons and poisonous substances,

provided that persons may at their option tender themselves for both parts of the Examination, but shall not be examined in Part 2 until they have satisfied the Examiners in Part 1.

We have here the first definite step made in the division into two parts of the Qualifying examination, and incidentally the reason for the rearrangement of the subjects in the previous by-law. One of the most difficult problems involved in the division of the examination has, we think, been satisfactorily settled, bearing in mind the object in view. The omission of the definition "pharmaceutical chemistry" is thus seen to be with the object of including in Part I. of the examination those subjects only which can be taken at educational institutions where the instruction is not definitely directed to the training of pharmacists.

14. All persons desiring registration as Chemists and Druggists shall pay a fee of Twelve Guineas and shall pass the Qualifying Examination. All persons entering for Part 1 of the Examination shall pay a fee of Six Guineas as a first instalment of their registration fee and present themselves for all three subjects. Persons who have failed in one subject only may offer themselves for re-examination in that subject, if permitted to do so by the Examiners, on payment of a fee of Three Guineas.

All persons entering for Part 2 shall pay a fee of Six Guineas as a second instalment of their registration fee and present themselves for all three subjects. Persons who have failed in one subject only may offer themselves for re-examination in that subject if permitted to do so by the Examiners on payment of a fee of Three Guineas.

This by-law settles the long-standing grievance that candidates who fail in even one subject of the examination have hitherto been required to present themselves for the whole of the subjects again. It is hardly conceivable that this unfair provision has been carried on for fifty years. It is impossible to state the number of persons who have suffered under the present by-law or to estimate the harm that the by-law has done to pharmacy. Incidentally the wording of the amended by-law shows that the impression formed by Mr. Keall that the advantages were to be confined to returned soldiers was a mistaken one. It will be noticed that the by-law only covers failure in one subject, which in a divided examination is not an unfair stipulation. It is rather a stimulus to adequate preparation. The opportunity has been taken to raise the examination-fees; perhaps that was to be expected from a body which believes in squeezing as much as it can from aspirants. It is not stated whether three guineas is to be charged for re-examination in one subject on more than one occasion, but perhaps the proviso that persons cannot re-enter without the permission of the examiners is intended to prevent a person from presenting himself an indefinite number of times for the one subject in which he fails repeatedly. We would rather have allowed the candidate to claim re-examination as a right.

15. All persons shall at the time of giving notice to present themselves for the Qualifying Examination have been registered as Apprentices or Students, and the Council may make Regulations requiring that such persons shall produce to the Registrar evidence satisfactory to the Council that they have received sufficient preliminary practical training and have undergone courses of study in the subjects for which they have entered, provided that such Regulations shall not impose a longer period of training or course of study than twelve months upon persons entering for the first time for Part 1 of the Examination, or require as a condition of receiving a Certificate of competent skill and qualification to be registered as Chemists and Druggists a total period of training or course of study of less than three or more than four years.

It shall be competent for the Council during the period of the War and such time thereafter as the Council may with the consent of the Privy Council determine to exempt from the provisions of the Regulations herein referred to such classes of persons or persons whose opportunities for training have been affected by the War or the conditions arising therefrom as the Privy Council on the recommendation of the Council may approve.

The sufficiency of the evidence of training is to be defined by regulations which, whilst they have to be approved by the Privy Council, are taken out of the purview of the members, except so far as their representatives on the Pharmaceutical Council shall have correctly interpreted the views of their constituents. Unfortunately, the Privy Council are likely to be influenced by the academic reports of the Government Visitor, who,

not having pharmaceutical experience, cannot correctly judge of the requirements of the drug-trade. We therefore look to the Pharmaceutical Council to exercise particular care in making curriculum regulations. The last paragraph deals with the special requirements necessitated by the war, and we hope it will be interpreted in a liberal spirit, as it is really for the benefit of the apprentices and assistants who have served in the Forces that the by-laws are being revised. We have also to bear in mind that the scheme for facilitating the entrance into pharmacy of disabled sailors and soldiers necessitates several of the alterations. A comparison of the requirements of the disabled sailors and soldiers scheme (*C. & D.*, November 16, p. 44), will show that the scheme requires both division of the Qualifying examination and the extended course of training referred to above.

16. No person shall be permitted to enter for Part 2 of the Examination who has not attained the full age of 21 years.

The present by-law (26), which requires candidates for the Qualifying examination to be of age, is to be deleted. It will be noticed that no age is stated for candidates for Part I. of the divided examination.

17. Persons registered as Apprentices or Students on or before December 31, 1919, may take both parts of the Qualifying Examination at one time without fulfilling the requirements of any regulations imposing courses of study or preliminary Practical training upon payment of a fee of Ten Guineas, to include registration as Chemists and Druggists, provided they pass the Qualifying Examination on or before August 1, 1923.

This is intended to reserve the rights of persons who register as apprentices or students before December 31, 1919, both as regards exemption from the requirement of a curriculum and as to payment of the old ten guineas fee. It is calculated to bring a considerable accession of guineas to the coffers of the Society at a time when the money is most needed by the Society. The limitation of the time within which these persons can pass the qualifying examination means that practically no person under seventeen can take advantage of the provision. Thus many persons who are well into their apprenticeship will come under the new provisions in amended by-law 14. By-law 30, dealing with the fees payable by persons holding Colonial certificates who desire registration without examination in this country, has been altered so that the fee, formerly twelve guineas, becomes fourteen guineas. This will not be appreciated by holders of Colonial qualifications, who are naturally unable to see that heavy fees should be paid when it is merely a matter of entering a name on the Register of Chemists and Druggists.

Taken as a whole, the by-laws are very comprehensive, and confer wide powers on the Council subject to approval of regulations by the Privy Council. The President, in introducing the by-laws, did not make in public any explanation of the various alterations, but from a remark by Mr. Skinner it looks as though changes are contemplated which do not appear on the surface. The regulation that for three years a candidate has been practically engaged in the translation and dispensing of prescriptions is evidently what Mr. Skinner refers to. It may be that a dispenser's qualification is contemplated for those who have not had shop experience, but we hope it is not in contemplation to recognise the thousands of "dispensers" turned out from the Blackfriars certificate-factory. This would result in the cheapening of the dispensing function, and if such a large body of persons were admitted to an assistants' register it might constitute a grave danger to chemists in business as well as to qualified chemists in the public service. We have advocated a dispensers' qualification on various occasions, but never contemplated that all and sundry who have claims to be "dispensers" should be allowed to take advantage of such a provision. Chemists have only to consider what a power would be in the hands of the National Health Insurance Commissioners if a body of ten thousand "dispensers" were recognised by the Pharmaceutical Society. It would be a weapon with which to threaten chemists.

The Question of Salary.

For some time a correspondence has been carried on in The Chemist and Druggist regarding the reward of qualified and unqualified labour employed by companies. The point of view of several of our correspondents will now be altered somewhat, as the largest company carrying on chemists' businesses in this country has just conceded modifications in salaries and announced that substantial bonuses will be paid at Christmas. The minimum salaries in future are to be, for qualified assistants, 5*l.* a week; managers, 6*l.*, without reckoning the amount of commission. The salaries are not to be reduced after the war. The Christmas bonuses referred to last week (p. 35) are 50*l.* for managers for nine months' employment or *pro rata* for shorter periods. Qualified assistants are to receive 30*l.*, unqualified male assistants 20*l.*, apprentices 5*l.* to 10*l.*, and female unqualified assistants 10*l.* to 15*l.*

Demobilisation Notes.

Last week we referred to the formation of a Pharmaceutical Advisory Committee to assist the Ministry of Labour on questions of priority of release in the case of those in the Forces who were formerly engaged in pharmacy. Of the thirteen members of the Committee representatives have been appointed from the Ministry of Labour, the Ministry of Pensions, the War Office, the Local Government Board, and the Insurance Commissioners. The representatives of the Pharmaceutical Society are Mr. W. S. Glyn-Jones, Chairman of the Committee, Mr. W. L. Currie, Mr. E. T. Neathercoat, and Mr. Herbert Skinner. The Public Pharmacists' Association has nominated Mr. A. H. Jenkin, whilst the Drug Club is to be represented by Mr. R. M. Harvey and the Drug Companies' Association by Mr. T. M. Liddle. The Pharmaceutical Society of Ireland has also a representative in Mr. D. M. Watson, Ph.C., ex-President. Thus a Committee has been set up with meticulous care, but it is added that the number of "pivotal" men to be released is to be very small. If our information is correct, the number is ridiculously small, and only the probability that the Committee will be useful when general demobilisation takes place can justify its existence. There are, we are informed, about 200 chemists and dispensers at an English town all killing time and not engaged in any duties that can by any stretch of imagination be described as of technical importance. If the object in keeping these men doing nothing is to use them to replace men of longer period of service, it seems to be a simple matter to carry this out by Army Order. In regard to the general demobilisation, a Committee does not seem to be required in view of the "slip" system, and in the case of those men having a position waiting for them, even the intervention of the Ministry of Labour is unnecessary.

"Official Jargon."

Attention has been called in "The Times" to the peculiar language adopted by Government Departments which that journal not inaptly describes as "official jargon." The occasion for the remark was the following order issued on December 4 by the Royal Commission on Wheat Supplies:

By an Order of the Royal Commission on Wheat Supplies, dated December 4, the notice relating to the importation of cereals and cereal flours, starches, glucose, dextrines, farina, and other products of cereals, tapioca, sago, manioc, cassava, mandioca, arrowroot, pulse, and all products of the same and potato flour, starches, farina, and similar products, issued by the Royal Commission on Wheat Supplies, and dated April 10, 1918, together with all notices and licences issued under and in pursuance of that notice, are cancelled and revoked.

The meaning of the notice could not be clearly understood, so the Ministry of Food issued the following note:

It is understood by the Royal Commission on Wheat Supplies that the notice dated December 4, revoking the notice dated April 10, 1918, has been interpreted as an intimation that the Commission has released from control the importation and distribution of the various articles concerned. This is not the case, and it has therefore been decided to withdraw the notice dated December 4 and to make at an early date a further announcement, defining the position.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C.4."

Report on the November Analytical Exercise.

THE powder distributed to students on November 12 consisted of 5 parts by weight of strontium chloride, 4 parts of magnesium hydroxycarbonate, and 1 part of lithium acetate. The calculated composition of such a mixture is:

Sr	16.4
Mg	10.2
Li	0.8
Cl	13.3
CO_3	18.8
$C_2H_3O_2$	7.0
OH	3.5
H_2O	30.0
	100.0

A trace of iron, and the sulphuric acid radical in small proportion, were present in the powder as impurities.

Samples of the powder were distributed to thirty-one students, and twenty-one reports were sent in for examination. The failures in the detection of the main constituents were: (*a*) Metallic radicals: Strontium, 6; magnesium, 3; lithium, 15. (*b*) Acidic radicals: Hydrochloric, 3; carbonic, 2; acetic, 16. Three students failed to observe the copious evolution of water when the powder was heated in a dry test-tube.

Besides noting the large proportion of failures in the detection of lithium and the acetic-acid radical, attention may with advantage be directed to one or two special points in connection with this analysis. The original substance did not dissolve completely in cold dilute hydrochloric acid, a slight turbidity remaining which disappeared upon boiling, but reappeared when the solution cooled. This behaviour was not mentioned in any of the reports received, and apparently it was unnoticed by all the writers. It was due to the sulphuric-acid radical, which was present as impurity, in the magnesium hydroxycarbonate, interacting with the strontium chloride to produce a small quantity of strontium sulphate. The latter salt is quite appreciably soluble in hot, but is much less soluble in cold, dilute hydrochloric acid.

It seems most probable that the white precipitate which a few students reported as produced on adding ammonium chloride and excess of ammonia as iron-group reagents, and which they regarded as aluminium hydroxide, was really strontium sulphate precipitated on neutralising the hydrochloric acid by which this had been held in solution.

The reaction attributed by several students to considerable traces of calcium—*i.e.*, the formation of a precipitate on the addition of ammonium oxalate to the acetic-acid solution from which strontium sulphate had been precipitated by means of ammonium sulphate—was really due to strontium which had not been completely precipitated as sulphate, strontium oxalate being only very sparingly soluble either in water or in dilute acetic acid. Spectroscopic examination of the powder did not reveal the presence even of traces of calcium.

The filtrate from the barium-group precipitate contained the magnesium and the lithium. The former of these metals was readily detected by most of our correspondents in one portion of the filtrate. Another portion was evaporated to dryness prior to applying the flame test for alkali-group metals. The residue was usually reported as yielding "no flame coloration," but this did not accord with our experiments, which resulted in the imparting to the flame of an intense and persistent crimson coloration. The spectroscope showed that this coloration was due to lithium alone.

Some other points of general interest and importance are dealt with in replies to individual students which all correspondents are recommended to read.

PRIZES.

The First Prize for the best analysis has been awarded to MONTAGUE T. WATSON, 6 Lynton Avenue, West Ealing.

The Second Prize has been awarded to GILBERT EVANS, 47 Upper Perry Hill, Southville, Bristol.

First Prize.—Any scientific book that is published at a price not greatly exceeding half-a-guinea may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about five shillings may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher naming the book or books they select.

MARKS AWARDED FOR ANALYSES.

1. *Correspondents who are unqualified*:

M. T. Watson (1st Prize)	94	Melonia	68
G. Evans (2nd Prize)	93	Jayjay	64
Lawton	88	Ardfern	61
Serum	88	Mac	61
Joshua	74	Metol	58
Amethyst	73	H. R. H.	57
Digit	72	Savage	54
Gingerol	72	J. W. E.-H.	34
Mist	72	Rip	5
Heroin	69		

2. *Correspondents who are qualified*:

Pax	79	Plumbum	70

TO CORRESPONDENTS.

LAWTON.—The cacodyl test for acetates gave a distinct positive result, and should not have been omitted. Some more convincing proof of the absence of a bromide should have been given. Silver bromide is quite appreciably soluble in ammonia solution even when the latter is moderately dilute.

SERUM.—A distinct odour of acetic acid was produced when the powder was heated with dilute sulphuric acid, and this was reported in numerous instances.

JOSHUA.—Again we failed to obtain confirmation of the evolution of ammonia which you report, and we suspect some faulty procedure in your testing for it. The chloride present was a good deal more than a trace; on the other hand, the trace of iron was too small to yield a perceptible precipitate in the iron group under any ordinary conditions.

DIGIT.—Attentive observation should have detected the evolution of strongly acid fumes when the powder was heated with concentrated sulphuric acid. In applying the tests for strontium and calcium which you used, it is usual to test for the former first and for the latter afterwards. The powder was partly soluble—not insoluble—in water.

GINGEROL.—It is curious that you should have failed to observe the evolution of water on heating the powder, since you describe it—correctly—as deliquescent. You describe a nitric-acid solution of the powder as giving a precipitate with silver nitrate and a neutral solution as not yielding this. Try these tests with a known solution of a chloride. You commonly state "no residue" when you mean "no precipitate."

MIST.—There is seldom much advantage in separately examining the aqueous extract and the hydrochloric-acid solution of a powder. In this instance there was none. Apparently you expect a solution of an acetate to yield a precipitate with ferric chloride, but only a red coloration is produced. The general remarks may explain your difficulty regarding the presence of a sulphate; but note that your sodium carbonate may have contained some sulphate as impurity.

HEROIN.—If, as you state in your report, you tested for a chloride by adding silver nitrate to a solution of the powder in hydrochloric acid, you were assured of a positive result from the outset.

MELONIA.—A tartrate was not present. The blackening on heating the powder was due to the acetate only.

JAYJAY.—Note that calcium sulphate is somewhat freely soluble in hot concentrated hydrochloric acid.

ARDFERN and MAC.—Your tests for strontium must have been applied to very dilute solutions, otherwise you could scarcely have failed to obtain precipitates of strontium sulphate.

METOL.—If you really tested for magnesium by adding sodium phosphate to a solution of the powder in hydrochloric acid, you need not be surprised that you did not obtain any precipitate. Look up the conditions under which a precipitate is obtainable.

H. R. H.—A report on two foolscap pages, and apparently unfinished, is all that has come to hand. The testing for acid radicals is very incomplete.

SAVAGE.—The slight colour imparted to chloroform, which you attributed to bromine, was due to the added chlorine. A blank test made with chlorine water only is usually advisable.

J. W. E.-H.—The odour you attributed to sulphur dioxide was really that of acetic acid.

RIP.—A colourless powder could scarcely contain mercuric iodide in recognisable proportion! This exercise was too difficult for your stage of proficiency, but you may find it profitable to study the general remarks and the replies to other correspondents.

PAX.—It is unfortunate that you did not follow up the early indications of an acetate that you obtained, since confirmation should have been forthcoming.

Associations' Winter Session.

Amalgamated Society of Pharmacists, Drug and Chemical Workers.—A well-attended meeting of pharmacists engaged in the public services was held at the Progressive Pharmacy Club on December 5, Mr. J. Humphrey presiding, to hear an address by Mr. Herbert Skinner (the President of the Society) on *The Whitley Scheme of Organisation as Applied to the Public Services.* This briefly sketched the present organisation of the services, showing what had been done, its defects, and the possibilities of a concrete Union. Having outlined the origins of the Whitley Reports, Mr. Skinner pointed out that workers in the retail (qualified and unqualified), in the wholesale, and in the fine-chemical trades were uniting in a common bond for a common purpose. There was still a link in the chain waiting to be forged, and that was the one covering the public services. He foreshadowed several things which would affect public pharmacists unless they put their backs into the proposition of getting together. Many institutions were paying very badly, and it should be the purpose of those where the remuneration was satisfactory to help in raising their fellows to their own standard. He showed how the Trade Boards could be applied if the Conjoint Council idea failed to gather sufficient weight. A minimum established would be obligatory. He preferred a Joint Council to a body practically imposed from without. The public services would have their own Section in the Union, with their own Secretary and Chairman, and would be co-ordinated with the other Sections through the Executive. He went into many details on the working of the Unions from the Labour point of view. He summed up the situation as a Trade Board or Conjoint Council where the men who did the negotiations would be the very men who knew where the shoe pinched; finally pleading that a Union was the solution of all the difficulties which have arisen, and pointing out that to be effective they must act together with a common understanding and a common object. Messrs. Lindsey, Gibson, Udale, Mackie, Cooper, Miss Andrews, and others asked questions which were readily answered. The Secretary (Mr. Lloyd) circulated Union forms of application, and several joined. On the motion of the Chairman, a vote of thanks was heartily accorded to Mr. Skinner for his address.

Ipswich.—A meeting of the Ipswich Chemists' Association was held on December 9, Mr. G. N. Edwards (President) in the chair. It was decided to close on December 25, 26, and 27, with limited attendance for medicines. The Secretary reported that he had written to the candidates for the borough as to their willingness to press for the separation of prescribing and dispensing in any future legislation, and that all three had given satisfactory replies.

Irish C.A.A.—The Cork Branch of the Irish Chemists' Assistants' Association met on December 6, Mr. V. O'Sullivan (Chairman) presiding, when a Committee was appointed to organise the assistants in the county with a view to securing the same salary and working conditions as obtain in Dublin.

Liverpool.—A meeting of the Liverpool Chemists' Association was held at the Royal Institution on December 11. The President (Mr. D. H. Evans), was unable to be present, as he was addressing the Sheffield chemists. He wrote regretting his absence, and stating that he would have liked to be there to welcome Miss Buchanan, who was not only a practical pharmacist, but is engaged in training women for pharmacy. Miss M. E. Buchanan, Ph.C., then gave her address on *Democracy in Pharmacy: What it Entails.* It was considered a concession, she said, in her student days to be admitted to the dispensing department of a retail pharmacy in the West-end of London where the swish of skirts behind the counter could not be tolerated. She had to wait until she was qualified before she could stand behind a chemist's counter. Being now in business with a partner, she is able to offer facilities to women students in the days when democracy of pharmacy has arrived. Miss Buchanan advised pharmacists to insist that dispensing should be in the hands of pharmacists, who should provide an all-night service. She condemned the State service of pharmacy. It was her wish that many more women would qualify as chemists during the next few years. Democracy in pharmacy demands the best from individuals. In the discussion that followed the speakers showed themselves in favour of the educational and scientific development referred to by Miss Buchanan. Votes of thanks followed.

Plymouth.—The annual meeting of the Plymouth Association of Pharmacists was held at the Mikado Café on December 4, Mr. F. Maitland (President) in the chair. The report showed a falling-off in the membership (due, said the President, to the prosperity chemists have enjoyed lately), and the financial statement showed a small balance in hand. The Committee and auditors were re-elected, with the exception of Mr. Broom, who resigned, and whose seat on the Committee is to be filled by Mr. F. A. Goodwin. The Trade Secretary was instructed to circularise chemists against selling Elliman's embrocation until the firm changes its attitude towards the trade. The Secretary was directed to endeavour to obtain from the Parliamentary candidates promises of support for the severance of prescribing and dispensing in connection with the proposed Ministry of Health. Messrs. G. Hampton (Smethwick) and G. Evans (Hammersmith) were present and urged the claims of Ucal to the support of chemists. Both speakers received a very careful and attentive hearing. Mr. Roper spoke very earnestly in favour of the scheme as a means of preserving the individual chemists against the inroads of company trading. Questions came fast and keen, and found both speakers primed with facts and unbounded enthusiasm. The discussion developed into an intimate conversation over the teacups, ending in a hearty vote of thanks to both speakers, proposed by Mr. R. Roper and seconded by Mr. Spear.

Society of Public Analysts.—At the meeting held on December 5, Dr. E. K. Rideal and Dr. H. S. Taylor described a recorder for estimating carbon monoxide in inflammable gases. The instrument was devised for the purpose of determining the purity of the hydrogen used in ammonia synthesis, and is of the continuous recording type. The method employed is to pass the gas through a special oxidising chamber in which the carbon monoxide is catalytically and preferentially oxidised to carbon dioxide by means of a special supply of oxygen. The oxidised gases are brought into contact with a constant stream of a standard solution of lime-water, and the carbon dioxide formed recorded automatically by changes in the conductivity of the solution of lime-water. Mr. A. D. Powell read a paper on *The Estimation of Phenacetin and other Para-aminophenol Derivatives by Hypochlorous Acid*, in which he proposed a process based on the action between sodium hypochlorite and an acid solution of para-aminophenol. This method is applicable to the estimation of phenacetin in admixture with such substances as caffeine citrate, salol, and acetanilide, and also to other *p*-phenetidin or *p*-aminophenol derivatives used in medicine, as well as photographic developers. Messrs. Harold E. Annett and H. Singh contributed the last paper, on *The Effect of Morphine Concentration on the B.P. Method of Morphine Estimation.* The authors have carried out investigations which show that the B.P. method, originally devised for the analysis of opium containing about 10 per cent. of morphine, will, when suitably modified, give satisfactory results with smaller weights of opium down to one-quarter that suggested in the Pharmacopœia.

Wimbledon.—At the meeting of the Wimbledon Pharmacists' Association on December 3, Mr. Price-Bond (President) in the chair, it was decided to support the resolution of the Devon Association regarding the insufficient profit on Allen & Hanburys' foods (see *C. & D.*, November 2, p. 46). The Secretary was instructed to write to the local Parliamentary candidates asking them to support pharmacists in their endeavour to separate dispensing from prescribing in any State medical service scheme. The War Auxiliary Benevolent Fund was commended by the President, and a discussion followed.

More Tales of Oenophus.

VII.—Mynor Experiencies.

Inne Bygone Tymes of Stresse there was begotten Muche Bewyldermente in ye Myndes of Symple Menne concernynge Divydmente of ye Mynor.

Whereupon Bluhmsbré marvelled greatlie, sayinge: "Ye Politickal Strategie of ye Camarilla doth butte followe Classick Precedente."

Soe ye galliante Knighte of Sancte Mungo adumbrateth anne Immenente and Universall Divydynge Uppe. Faynte and Uncertayne Echoes upryse from Farr and Nere, and there is Generall Rejoycemente.

Anon ye Courtlie Kecle is turned to secure ye Requisyte Dubietie. Thus: "Divydmente there will be, butte for Warriors onlie."

Soe ye Kyte is flowne.

Butte whenne itte hath bene acertayned inne What Dyrectione ye Krafte wille jumpe Another Pronouncemente wille be mayde.

Menewhyle 'twere welle that ye Myndes of Symple Menne be exercysed, for ye Pathe of Strategeticks muste of Necessitie be Uneven.

'Twas ever thus, saye ye Chronicleres.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Barrow-in-Furness.—At a meeting of the Insurance Committee a report was presented stating that for the half-year ended June 41,000 prescriptions were dispensed, at a cost of 586*l.* 3*s.* 3*d.* for ingredients, and 561*l.* 8*s.* 10*d.* for dispensing-fees, the average cost per prescription being 6.72*d.*

Blackburn.—The Panel Committee has petitioned the Insurance Committee that where a patient is treated privately for the Wassermann test and the administration of salvarsan, a practitioner should be justified in making a charge for the service, and that such treatment should not be a charge on the Drug Fund. The Insurance Committee has this week decided that such services come within the scope of a doctor's terms of agreement with the Insurance Committee, and should be rendered to insured persons under that agreement.

Essex.—A meeting of the Pharmaceutical Committee was held recently, when, a difficulty having arisen with reference to the dispensing of a prescription as ordered, owing to the refusal of the patient to provide the adequate size of bottle, the Insurance Committee asked for the observations of the Pharmaceutical Committee upon the same. The Secretary was directed to circularise the whole county upon the necessity of marking upon the prescription the exact quantity supplied. It was decided that panel chemists should be asked to report any difficulty in obtaining controlled bromides. The Secretary reported that the panel service for 1919 was an adequate one except in one area, where the resignation was caused by illness. He was directed to confer with the Pharmaceutical Society and to visit the district in order to maintain, if possible, the service, and so prevent the same becoming a rural area. The grievance with regard to broken-bulk proprietaries was left in the hands of the Secretary to deal with in his circular letter.

Lancashire.—At the last meeting of the Insurance Committee, the report of the Medical Service Sub-Committee called attention to the action of a panel doctor in charging a patient 2*s.* for medicine on seven separate occasions. The doctor's defence was that the patient's mother preferred to have the doctor's own medicine to what she called "panel stuff." The Committee considered this was an improper encouragement of the erroneous impression common among panel patients that the medical treatment under the Insurance Act was inferior to the treatment in private practice. It was decided that the findings of the Sub-Committee should be reported to the Insurance Commissioners for action to be taken in connection with the Exchequer grant. Dr. Oldham, who suggested that the doctor might be censured and called upon to refund the money, said that doctors were not responsible for the impression that "panel stuff" was inferior.

Leicestershire.—At a meeting of the Insurance Committee held on December 4, the Medical Benefit Sub-Committee reported that the West Midlands Joint Committee had suggested the adoption of a uniform Pharmacopœia for use throughout the group, and enclosed a copy of one already in use, which they recommended. It was decided to refer the matter to the Panel Sub-Committee. The cost of medicines as re-assessed for purposes of Article 5 (1) of the Medical Benefit Regulations, 1916, was 3,808*l.* 10*s.* 8*d.* This amount includes the payments to the Pharmaceutical Committee, but excludes sanatorium benefit prescriptions, such being charged to the Sanatorium Fund. Payments for medicines chargeable to the Drug Fund supplied otherwise than at a capitation-fee amounted to 3,493*l.* 12*s.* 7*d.*, with the same reservation as in the previous case.

London.—The Insurance Committee met at the County Hall, Spring Gardens, London, S.W., when the Medical Benefit Sub-Committee recommended the rescission of the resolution that galyl should not be supplied to insured persons at the cost of the Drug Fund, the Commissioners having expressed their views to this effect. Formal notification of the dispensing terms for 1919 was reported. A doctor who prescribed ammon. carb., pot. iod., vin. ipecac., with syr. tolut. ad ℥xij. has had to refund the cost of the syrup, which he states was ordered by mistake. Thirteen persons have been allowed to make their own arrangements for medical benefit. The Finance Sub-Committee recommended payment to chemists of 8,210*l.* 18*s.* 1*d.* on account of 1918. There are now on the panel 697 chemists in business, 37 in institutions, and 24 other contractors; two names having been removed from the list and three added during October.—A meeting of the Pharmaceutical Committee was held on December 3, Mr. G. B. Barnard (Chairman) presiding. The report of the Central Checking Bureau showed that the margin of error for the month of July 1918 was 0.11 per cent. Mr. G. A. Tocher (Secretary) reported, *inter alia*, that a complaint had been received from the South-Western area concerning a panel doctor using code prescriptions, and at the same time influencing his patients to obtain medicines from a certain chemist. It was decided that investigations should be made and appropriate action taken by the Secretary. Several chemists on the London panel had submitted, in error, to the Insurance Committee, prescription forms belonging to other areas adjacent to London, and some of those chemists, not being in contract with the Insurance Committee for the adjacent area, have been refused payment for such prescriptions by the Committee concerned. The opinion was expressed that these prescriptions were inadvertently accepted by certain chemists during the influenza epidemic. In order to avoid loss chemists should only accept prescription-forms of the Insurance Committee with which they are in contract. A Government Committee has been appointed to deal exclusively with the demobilisation of men previously engaged in pharmacy, and if recruiting is resumed and a man receives a "calling up" notice, application for exemption must be lodged within seven days. The accounts for September 1918 numbered 909, valued at 7,870*l.* 11*s.* 2*d.*, and the average cost per prescription was 7.12*d.*

Middlesex.—The bi-monthly meeting of the Insurance Committee was held on December 2 in the Council Chamber at the Guildhall, Westminster, Mr. W. W. Kelland (Vice-Chairman) presiding. The Finance Sub-Committee recommended the payment of accounts amounting to 35,388*l.* 17*s.* 8*d.*, including 4,175*l.* 17*s.* 3*d.* to chemists. The Clerk reported that the total number of chemists on the panel for the ensuing year was 274, compared with 288 in 1918.

November Drug Tariff.

The following are the alterations for November in the Drug Tariff issued by the National Health Insurance Commissioners for England and Wales:

Lower: Barbitonum, 10*s.* oz.; diamorph. hydrochl., 6*s.* 6*d.* dr.; ext. bellad. sicc., 2*s.* 6*d.* oz.; ext. coloc. co., 11*s.* lb.; guaiacol carbonas, 9*s.* 6*d.* oz.; hexamina, 11*s.* 9*d.* lb.; methyl salicylas, 8½*d.* oz.; ol. caryoph., 29*s.* 6*d.* lb.; phenolphthalein, 4*s.* oz.; podoph. res., 3*s.* 2*d.* oz.; pot. brom., 10*s.* lb. Oiled silk, yellow, 42.00*d.* per yd.

Higher: Acid. acetic. glacial., 8*s.* lb.; acid. boric. (crystals), 1*s.* 3½*d.* lb.; acid. boric. (pulv.), 1*s.* 4*d.* lb.; acid. citric. pulv. 5*s.* 10*d.* lb.; ammon. brom., 14*s.* 6*d.* lb.; amylum (maize), 1*s.* 6*d.* lb.; aq. cinnam. ex conc., 9*s.* lb.; aq. fœniculi ex conc., 8*s.* 3*d.* lb.; bism. carb., 19*s.* lb.; bism. oxid., 1*s.* 11*d.* oz.; bism. salicyl., 1*s.* 9*d.* oz.; bism. subnit., 18*s.* lb.; camphora (flowers), 7*s.* 4*d.* lb.; conf. guaiaci co., B.P.C., 4*s.* 9*d.* lb.; ext. casc. sagr. sicc., 17*s.* lb.; ext. casc. sagr. liq., 5*s.* 3*d.* lb.; ext. glycyrrh. liq., 6*s.* lb.; ferri carb. sacc., 1*s.* 10*d.* lb.; ferri et ammon. cit., 6*s.* 6*d.* lb.; ferri et pot. tart., 6*s.* 8*d.* lb.; ferri et quin. cit., 2*s.* 5*d.* oz.; inf. valerian. (ex conc.), 3*s.* 6*d.* lb.; liq. am. acet. conc., 3*s.* 6*d.* lb.; liq. ammon. cit., 1*s.* 10*d.* lb.; liq. bism. et am. cit., 2*s.* lb.; liq. pancreatis, 7*s.* 2*d.* lb.; liq. pepticus, B.P.C., 3*s.* 6*d.* lb.; lithii carb., 1*s.* 5*d.* oz.; lithii cit., 1*s.* 3*d.* oz.; menthol, 2*s.* 1*d.* oz.; ol. abietis, 18*s.* lb.; ol. anisi, 8½*d.* oz.; ol. cubebæ, 4*s.* 9*d.* oz.; ol. eucalypt., 6*s.* 3*d.* lb.; ol. menth. pip. (redistilled), 41*s.* lb.; ol. morrhuæ (Norwegian 1917 opt.), 27*s.* 6*d.* gal.; pepsin., 5*s.* 3*d.* oz.; phenazon., 5*s.* 3*d.* oz.; pot. cit., 7*s.* 10*d.* lb.; pulv. catech. co., 4*s.* 3*d.* lb.; pulv. cinnamomi co., 5*s.* 8*d.* lb.; pulv. cretæ aromat., 2*s.* 10*d.* lb.; pulv. cretæ c. opio, 6*s.* 8*d.* lb.; pulv. kino co., 11*s.* 6*d.* lb.; pulv. opii co., 14*s.* lb.; pulv. sodæ tart. eff., 13.50*d.* per doz.; quin. hydrochl., 9*s.* 6*d.* oz.; quin. hydrochl. acid., 10*s.* oz.; quin. sulph., 8*s.* oz.; sodii et pot. tart., 2*s.* 6*d.* lb.; sodii glycerophosph., 100%, 2*s.* 4*d.* oz.; spt. æther. co., 9*s.* 6*d.* lb.; sulphonal., 9*s.* 6*d.* oz.; syr. ferri phosph. c. quin. et strych., 3*s.* 4*d.* lb.; syr. glycerophosph. co., B.P.C., 3*s.* 10*d.* lb.; tab. acetan. co., B.P.C., 2.13*d.* per doz.; tab. Easton., 1 dr., 3.09*d.* per doz., ditto, ½ dr., 2.10*d.* per doz.; tab. ext. casc. sagr., gr. v., 1.56*d.* per doz.; tr. catechu, 3*s.* 8*d.* lb.; tr. chlorof. et morph., '85, 5*s.* lb.; tr. gelsemii, 5*s.* 9*d.* lb.; tr. guaiaci ammon., 8*s.* lb.; tr. hyoscyami, 7*s.* 3*d.* lb.; tr. lavand. co., 7*s.* 9*d.* lb.; tr. quin. ammon., 6*s.* 8*d.* lb.; tr. strophanth., 8*s.* lb.; tr. valerian. ammon., 6*s.* 3*d.* lb.; ung. gallæ c. opio, 12*s.* lb.; ung. hyd. nit. dil., 3*s.* lb.; ung. hyd. oxid. flav., 2*s.* 2*d.* lb.; vinum antimoniale, 3*s.* 4*d.* lb.; vinum colchici, 6*s.* 4*d.* lb.; vinum pecac., 4*s.* 9*d.* lb.; guttapercha tissue, 18·00*d.* per yd.

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Trade Report.

42 Cannon Street, E.C. 4, December 12, 3 p.m.

The near approach of the end of the year and the stock-taking period, combined with the fact that this is General Election week, all help to emphasise the quiet tone in practically all markets. The downward tendency has made further progress this week, quite a number of products having eased in value. Among drugs these include cascara sagrada, juniper-berries, scammony-root, myrrh, senega, and sarsaparilla. Honey is from 20*s.* to 40*s.* cheaper. Black pepper, cloves, chillies, and pimento are all cheaper. Farina, lime-juice, and Japanese wax are also lower. Fenugreek-seed shows a recovery. In the fine chemical group, barbitone, paraldehyde, chloral hydrate, methyl salicylate, salicylic acid, and terpineol have been marked down. Bromides are quiet following on a further reduction of potash bromide in America. Phenazone is in brisk demand and dearer; aspirin is still selling freely. Amidopyrin continues scarce and rather higher. Cream of tartar is cheaper, and tartaric acid is being "cut" in the provinces. The Ministry of Munitions has relinquished the control of shellac, but the fact that a stock of 20,000 packages belonging to that Department is to be auctioned causes great dissatisfaction among holders.

Higher	Firmer	Easier	Lower
Amidopyrin	Fenugreek-seed	Barbitone	Cascara sagrada
Pepsin	Lemon oil	Cloves	Chillies
Phenazone	Saccharin	Farina	Chloral hydrate
		Juniper-berries	Gum acacia
		Lime-juice	Honey (Australian and W.I.)
		Myrrh	Methyl salicylate
		Oxalic acid	Pepper (blk.)
		Paraldehyde	Sarsaparilla
		Pimento	Senega
		Scammony-root	Shellac
			Silver
			Terpineol
			Wax, veget. (Jap.)

Cablegrams.

New York, December 5.—Business is active. Menthol is dearer at $6.00 per lb. Balsam tolu has been advanced to $1.50. Potash bromide is again lower at 65c. for granular and 70c. per lb. for crystals.

New York, December 11.—Business is quiet. Menthol has advanced to $6.75. Copaiba is steady at 75c., and senega is higher at $1.00 per lb.

Acetic Acid.—The imports of acetic acid other than for table use into the United Kingdom during the past five years have been as follows:

	1913 Cwt.	1914 Cwt.	1915 Cwt.	1916 Cwt.	1917 Cwt.
Germany	2,634	3,185	—	11	—
Netherlands	31,999	28,633	11,441	1,686	600
Belgium	18,455	17,772	—	—	—
Switzerland	—	46	—	1,417	1,676
United States of America ...	18,912	25,056	85,724	54,188	101,979
Other Foreign Countries ...	3,128	3,075	6,102	811	—
Total from Foreign Countries	75,128	77,767	103,267	58,113	104,255
Total from British Possessions (Canada)	—	150	—	768	92
Total	75,128	77,917	103,267	58,881	104,347
	£85,790	93,646	213,681	370,149	667,894

Amidopyrin is still scarce and rather higher at 70*s.* per lb. net on spot.

Amyl Salicylate is lower at 17*s.* 6*d.* per lb. on the spot.

Anise Oil, Star, is quiet, with sellers of "Red Ship" brand at 6*s.* 3*d.* on the spot, and to arrive 6*s.* c.i.f. is quoted.

Antimony.—There is absolutely no life in this article, and comparatively low figures have been accepted for Japanese regulus down to about 55*l.* in order to clear. Sellers are asking 60*l.*, which, however, is quite a nominal quotation pending further developments. A few sellers of crude might be found at about 60*l.*, but there are no buyers at anything near this figure. The American market has remained in a chaotic state. The Magnolia Metal Co. has completed its new smelting plans, and it is buying ore while hoping to promote domestic enterprise.

Arsenic.—The market towards the close of last week became distinctly weaker, some business having been done down to about 91*l.* per ton for best Cornish powder delivered London, at which parcels might possibly still be picked up, this applying to 5-ton lots, although retail lots have been sold at prices varying up to about 95*l.* The drooping tendency lately is not surprising, and thus tends to confirm the more conservative views we expressed some time back. A number of parcels has come in of late from abroad, but the receipts of foreign material have on the whole been of no great importance for some time past. In the present state of the market, however, increased offers at any time render the latter sensitive at the high prices ruling.

Aspirin continues to meet with a good demand at from 16*s.* 9*d.* to 17*s.*

Barbitone is easier, with sellers on the spot at 85*s.* per lb. net.

Bromides.—American makers have further reduced the price of potash bromide to 70c. per lb. for crystals and 65c. for granular. The London market continues very quiet, with dealers offering to sell potash at the Government-controlled prices of 6*s.* 4*d.* for crystals and 5*s.* 10*d.* for granular; soda is 4*s.* 6*d.* to 5*s.* and ammon. 4*s.* 6*d.* to 4*s.* 9*d.* The big decline in the United States is said to be due largely to the cancellation of Government orders for bromine, which had resulted in a weaker position.

Burdock-root in limited quantity can be had at 115*s.* per cwt. on the spot.

Calamus-root.—Russian natural is offered at 90*s.* and peeled at 110*s.* per cwt. on the spot.

Calcium Carbide.—The imports into the United Kingdom during the past five years have been as follows:

	1913 Cwt.	1914 Cwt.	1915 Cwt.	1916 Cwt.	1917 Cwt.
Sweden	96,263	119,237	81,883	45,354	24,123
Norway	263,866	359,126	366,938	344,392	294,040
Italy	147,388	93,910	23,318	16,341	—
Other Foreign Countries ...	6,280	3,170	10,345	2,044	—
Total from Foreign Countries	513,797	575,443	482,484	408,131	318,163
Total from British Possessions (Canada)	—	—	39,039	81,654	58,245
Total	513,797	575,443	521,523	489,785	376,408
	£272,445	307,531	293,188	328,724	425,849

Camphor (Refined) is quiet, with sellers of Japanese 2½-lb. slabs at 6*s.* 10½*d.* per lb. on the spot. The London stock at the end of November 1918 was 2,637 packages, against 1,574 packages. English refiners quote 6*s.* 10*d.* per lb. for bells, 6*s.* 9*d.* for flowers, and from 7*s.* 6½*d.* to 7*s.* 9*d.* for blocks and tablets.

Cascara Sagrada is cheaper to the extent of about 10*s.* per cwt., spot offering at 200*s.* The London stock at the end of November was 18 tons, against 54 tons in November 1917.

Chillies.—At auction 301 bales Zanzibar sold without reserve at 50*s.* for fair, being about 20*s.* per cwt. lower.

Chloral Hydrate is lower at from 11*s.* to 11*s.* 9*d.* per lb. on the spot for duty-paid.

Chloroform.—The imports of chloroform into the United Kingdom during the past five years have been as follows:

	1913 Lb.	1914 Lb.	1915 Lb.	1916 Lb.	1917 Lb.
United States	712	2,738	1,503	1,048	26,499
Other Foreign Countries ...	654	390	42	—	54
Total from Foreign Countries	1,366	3,128	1,545	1,048	26,553

Cloves are lower, with spot sellers of fair Zanzibar at 2*s.* per lb.

Cod-liver Oil.—It is very difficult to give an actual selling price for cod-liver oil, as there seems to be very little available stock in the country. We understand that business has lately been done in finest Norwegian medicinal oil at 425*s.* per barrel, but nothing is now obtainable below 485*s.* The extraordinary shortage seems to have been taken advantage of in certain quarters, and we hear of retail pharmacists having been charged as much as 550*s.* per barrel. By the time the oil reaches the public the price is prohibitive, and the sale has dwindled to meagre proportions. It is also difficult to say what is going to happen during the forthcoming season. The oil is at present controlled by the Norwegian Government at a fixed maximum price. It is possible, however, that there will be a very heavy fishing, as the Norwegians, in spite of submarines, have made large fortunes out of cod-liver oil during the last year or two. Unfortunately they appear to have taken advantage of the British Government in many ways. They are well stocked with gear and all the necessary fishing appliances, so that as far as the catch is concerned prospects point to a "record" fishing. We ought, therefore, to see lower prices in 1919.

COPPER SULPHATE.—Export trading is still very quiet, and Liverpool f.o.b. terms stand at about 63*l.* 10*s.*, less 5 per cent. The demand is undoubtedly affected by the lack of export licences, and possibly also by the idea that copper metal may ease off.

CORIANDER-SEED is in slow demand, with holders asking 32*s.* 6*d.* per cwt. for old crop Morocco and 37*s.* 6*d.* for new crop.

CREAM OF TARTAR is offered at from 390*s.* to 400*s.* per cwt. for 98-per-cent. powder on the spot.

ELEMI remains scarce, with a limited quantity of fair pale available at 150*s.* per cwt.

ERGOT is still very scarce. Small spot sales of bold Portuguese have been made at 6*s.* 6*d.* on the spot, and good Spanish shortly due is offered at 5*s.* 9*d.* landed London.

EUCALYPTUS OIL remains in fair demand, with sellers of B.P. qualities at from 4*s.* 6*d.* to 4*s.* 9*d.* per lb., as to test. Some of the consignments per *Cooee* appear to have been landed in a very leaky condition.

FARINA is lower, with spot sellers of No. 1 Japanese at 75*s.* per cwt. on the spot and 70*s.* afloat.

FENUGREEK-SEED has recovered to 27*s.* per cwt. for new crop Morocco.

GENTIAN is selling in small lots at 75*s.* on the spot.

GLUCOSE.—The imports of solid glucose into the United Kingdom during the past five years have been as follows:

	1913 Cwt.	1914 Cwt.	1915 Cwt.	1916 Cwt.	1917 Cwt.
Germany...	4,452	1,351	—	—	—
Belgium	7,459	8,454	—	—	—
United States	312,694	300,786	348,087	325,748	259,048
Other Foreign Countries ...	1,421	987	100	—	—
Total	356,026	311,578	348,187	325,748	259,048

The imports of liquid glucose were as follows:

	1913 Cwt.	1914 Cwt.	1915 Cwt.	1916 Cwt.	1917 Cwt.
Germany	7,515	3,039	—	—	—
Netherlands	1,072	1,533	1,024	—	—
Belgium	3,059	6,220	—	—	—
United States	1,096,716	888,054	1,061,067	922,133	703,901
Other Foreign Countries ...	289	77	—	—	—
Total from Foreign Countries	1,108,651	898,923	1,062,091	922,133	703,901

GUM ACACIA.—Fair Sudan sorts offer at from 72*s.* 6*d.* to 75*s.* and cleaned at 75*s.* on the spot. The London stock on November 30, 1918, was 38,340 packages, against 16,761 packages.

HONEY.—Over fifty people were present at the auction on Tuesday, but there were only two buyers. Of Australian 1,129 cases offered and 250 cases (unworked) sold at 200*s.* per cwt. for liquid amber to set palish, with more or less a tallowy flavour; the bulk was fit for town delivery only owing to leakage. This price showed a decline of 25*s.*; 734 cases were bought in at 200*s.* for pale set and setting of good flavour, and a further 105 cases were also bought in at 205*s.*; of St. Lucia 35 cases sold at 190*s.* for mixed pale liquid to dark amber of good flavour, this price being about 40*s.* lower. A further 59 cases were bought in at 200*s.*; 100 casks Cuban were bought in at 197*s.* 6*d.* for fair liquid amber, of which inadequate samples were shown; 12 casks Jamaica were bought in at 175*s.* to 200*s.*, 40 cases Japanese pale liquid of fair flavour at 210*s.*; for 100 cases Brazilian no bid was made, and 297 packages (mostly 5-cwt. casks) from various countries were bought in at 210*s.*

IPECACUANHA.—The London stock on November 30, 1918, consisted of 575 packages Matto Grosso, 3 Minas, 26 Cartagena, and 58 East Indian. A fair quantity of East Indian has been disposed of lately. Prices of Matto Grosso are from 10*s.* to 10*s.* 6*d.* for lean dull to fair.

JUNIPER-BERRIES are easier, with fair Italian offering at 32*s.* on the spot.

KOLA.—At auction four bags fair bright dried St. Lucia sold at 9*d.*

LIME-JUICE is again easier, good pale West Indian offering at 3*s.* 6*d.* per gallon.

LINSEED (CRUSHED).—Millers are unable to cope with the heavy demand, but they hope to be in a position to execute all orders within a few days.

LIQUORICE-JUICE.—Genuine Sicilian block liquorice is quoted at 345*s.* per cwt. on the spot and 395*s.* to arrive. Liquorice sticks in usual 2-cwt. cases is offered on spot at from 525*s.* to 550*s.*, and to arrive at 580*s.* per cwt.

LIQUORICE-ROOT is steady, with Sicilian cut decorticated offering at 190*s.* and cut natural at about 135*s.* on the spot.

MENTHOL is quiet, with small spot sales of Kobayashi-Suzuki at from 20*s.* 6*d.* to 20*s.* 9*d.* per lb.

METHYL SALICYLATE is offering at the lower rate of from 5*s.* 6*d.* to 6*s.* per lb. on the spot.

MILK-SUGAR is unaltered at 2*s.* 6*d.* per lb. for best Dutch powdered.

MYRRH is about 2*l.* per cwt. easier, fair pale sorts offering at 20*l.* and ordinary at from 17*l.* to 18*l.* per cwt.

NUX VOMICA.—The London stock on November 30, 1918, was 6,087 packages, against 5,636 packages in November 1917.

OPIUM.—According to a report from the German Consul in Constantinople the Turkish opium crop, which in normal years usually amounts to from 6,000 to 7,000 cases (of 70 kilos. each), will not yield more than 1,000 cases during 1918. The principal cause of the decrease is lack of labour. A large part of the fields has not been cultivated this year. In consequence of the difficulties with which the exportation has met with since the war the stocks in Constantinople and Anatolia appear to be rather large, being estimated at from 8,000 to 10,000 cases. Some large speculative sales have been made in Constantinople, and holders expect a considerable demand after peace is declared, as the wants of the Entente countries will have to be satisfied; good pharmaceutical opium, which sold at from 100 to 300 piastres per oke (=1,282 kilos.) before the war, has been purchased lately at from 700 to 725 piastres per oke.

ORRIS.—Fair stocks are available on the spot, the value of good Florentine sorts being about 145*s.* per cwt.

OXALIC ACID is easier at 1*s.* 4*d.* per lb. delivered London.

PAPAIN.—Good pale genuine Ceylon is offered at 15*s.* per lb. on the spot, but for a quantity rather less would be taken.

PARALDEHYDE is easier at from 8*s.* 6*d.* to 9*s.* per lb. on the spot.

PEPPER is inactive, with spot sellers of fair black Singapore at 1*s.* 5*d.*, Tellicherry at 1*s.* 6*d.*, and Aleppy at 1*s.* 5½*d.* on the spot. *White* is also quiet, with spot sellers of Muntok at 2*s.* 9*d.* per lb.

PEPSIN is higher at 55*s.* per lb. for B.P. (1:2500).

PHENACETIN has an easy undertone at from 16*s.* 6*d.* to 17*s.* on the spot.

PHENAZONE has been in good demand, selling freely at 55*s.*, but closing prices are from 56*s.* 6*d.* to 57*s.* 6*d.*, and in some instances even 60*s.* is wanted.

PIMENTO is easier, with sellers of fair on the spot at 6*d.* per lb.

PLATINUM.—The price has remained at 400*s.* per oz., and there is no expectation of any change at present. In America some of the restrictions of the War Industries Board have been removed, but the commandeering order is still on. The position, nevertheless, seems a little easier, while jewellers and electrical manufacturers are now able to secure the metal. Refiners have experienced an active demand. The official price is still $105 per oz.

POTASH PERMANGANATE for prompt shipment from U.S.A. is offered at 10*s.* to 11*s.* per lb. c.i.f.

RESIN.—The United Kingdom Resin Distributors' Association, Ltd., announce: It is understood that circumstances now permit of licences being more liberally granted by the Ministry. Prices, however, are likely to be fully maintained and control necessary for some time to come, and no licence at present will be granted for export.

SACCHARIN.—The larger dealers and importers quote from 290*s.* to 310*s.* per lb., duty paid, for American 550 pure for prompt delivery. There are occasional small lots offered at less by re-sellers, but these do not of course constitute the market. We understand that it has been definitely stated by the authorities that import licences will not be granted next year, and as the large consumption goes on, and stocks of imported make become depleted, the chief holders here take the view that the market will improve in the near future.

SAFFRON is steady, with sales of finest Valencia at 52*s.* 6*d.* per lb. net on spot.

SALICYLATES.—Salicylic acid meets with a slow sale, with offers of B.P. powder at from 3*s.* 9*d.* to 4*s.* per lb.; sodium salicylate is steady at 5*s.* 3*d.* to 5*s.* 6*d.*

SARSAPARILLA.—Good fibrous Lima-Jamaica can be had at 4*s.* 6*d.* per lb., and red native Jamaica at from 2*s.* to 2*s.* 3*d.* The London stock of all descriptions on November 30, 1918, was 775 bales, against 192 bales in November 1917.

SCAMMONY-ROOT is easier, with ton lots offering at 127*s.* 6*d.* per cwt. on the spot for 16 per cent.; 283 bags have arrived in Liverpool this week.

SENEGA.—Sellers offer at from 7*s.* to 7*s.* 1½*d.* per lb. net on spot; 23 bales have arrived in Liverpool this week. New York advices, dated November 21, report a good export demand, prices being from 95c. to $1.00 per lb.

SHELLAC.—Pending the auction sale on account of the Ministry of Munitions next week, when 2,000 packages will be offered, the market is nominal.

SILVER.—In adjustment to the New York figure the London price of bar silver was reduced to 48 7/16*d.* per oz.

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on December 6. The previous maximum price of 48¾*d.* per oz. had been in force since November 12.

TAMARINDS.—At auction 171 barrels dried Barbados sold at 70*s.* for fair large.

TARTARIC ACID is quoted on the spot at from 3*s.* 9*d.* to 3*s.* 10*d.*, less the usual 5 per cent., and in Liverpool a leading firm of wholesale grocers have sent out a circular offer at 3*s.* 6*d.* net.

TERPINEOL is lower, with spot sellers at from 9*s.* to 9*s.* 6*d.* per lb.

TONKA-BEANS are steady, with good frosted Para offering at 4*s.*, black at 2*s.* 6*d.* to 3*s.*, and frosted Surinam at 4*s.* 6*d.* on the spot.

WAX, VEGETABLE.—Japanese is inactive and lower, with spot sellers at 110*s.* per cwt. The London stock at the end of November 1918 was 8,440 packages, against 2,794 packages.

Shellac.

The Minister of Munitions has issued an Order, dated December 10, revoking the Shellac Control Order, which prohibited, except under licence, the purchase, sale, or delivery of shellac in quantities exceeding an aggregate of 7½ cwt. net weight per calendar month.

The Committee of the London Shellac Trade Association announce for the benefit of the trade that the Government have come to the following decision with regard to shellac:

(1) The Government stock of about 20,000 packages will be sold in accordance with the demand, the intention being to feed the market at a fair price between now and June. There is no intention to sacrifice the lac.

(2) The first public sale of 2,000 packages of such stock will be held by Lewis & Peat on December 17.

(3) A notice withdrawing all restrictions as regards licences will be issued in the "Gazette" of December 13, but shipping permits to one or two countries may still be restricted.

United States Trade Statistics.

On October 4 a Bill was passed by the United States Senate, and is now before the Committee on Inter-State and Foreign Commerce of the House of Representatives, providing for the compilation of trade statistics for calendar years instead of for fiscal years ending on June 30, as at present. The United States is the only important country which publishes its foreign trade statistics for the fiscal year, the only other countries being Mexico, Turkey, Persia, Honduras, and Hayti, and the following British Colonial Possessions: Canada, Australia, and India. It is stated that the United States Shipping Board, the War Trade Board, and the War Industries Board are anxious to have this change made.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the ports of London and Liverpool:

To London
(Nov. 30 to Dec. 6).
Casein, 3,200*l.*
Chemical products, etc., unrated, 14 cs.
Arsenic, 540 cwt. 65 cks.
Boric acid, 284 cks.
Calcium borate, 6,694 bgs.
Potash permanganate, 40 cs.
Potash prussiate, 52 brls.
Quinine, 300,000 oz.
Saltpetre, 28,420 cwt.
Tartar, 431 bgs.
Drugs, etc., unrated, 2,078*l.*; herbs, dried, 63 bls.
Areca, 67 bgs.
Camphor, 37 cs.
Cardamoms, 4 cs. 75 bgs.
Cumin-seed, 75 bgs.
Eucalyptus, oil 892 cs.
Juniper-berr., 200 bgs.
Orris, 204 bgs.
Turmeric, 398 bgs.
Valerian, 200 bgs.
Dyestuffs, tanning materials, etc., unrated' 72 cks.; indigo, 62 chts.; myrobalans, 356 bgs. 19,130 pockets; quebracho ext., 2,000 bgs.; tanners' bark, 94 tons
Glue, 670*l.*
Loofahs, 31*l.*
Perfumery, etc., unrated (mostly raw materials), 1,987*l.*; toilet-powder, 59*l.*
Plumbago, 351 bgs.
Starch (cwt.), 120; farina, 9,289; maize, 134; rice, 440
Talc, 1,265*l.*
Wax, bees', 3 bgs. 42 cs.
Wax, carnauba, 255 bgs.
Wax, paraffin, 4,016 cwt.; scale, 5,132 cwt.
Wax, vegetable, 510 cs.
Zinc oxide, 1,745 brls.

To Liverpool
(December 2 to 7).
Bronze powder, 6 cs.
Celluloid, 29,953*l.*
Chemical products, etc.: electrolytic chemicals, 16 cs.
Acetanilide, 6 brls. 30 drms.
Boric acid, 536 cks.
Bromides: sodium, 10 pkgs.
Calcium borate, 5,955 bgs.
Cream of tartar, 3 cks.
Hydroquinone, 5 cs.
Drugs, etc.
Camphor, 25 cs.
Cassia-bark, 44 bls. 5 bgs.
Copaiba, 100 pkgs.
Galls, 272 cs.
Guarana, 5 cs.
Insect-flowers, 17 bls.
Liquorice-root, 100 bgs.
Tonka beans, 26 cs.
Dyestuffs, tanning materials, etc.: cutch, 5,583 bxs.; fustic, wood, 5 tons; gambier, 2,056 cs.; hematine crystals, 7 brls.; mimosa-bark, 20 tons; myrobalans, 1,164 bgs. 800 pockets; quebracho ext., 11,000 bgs. 870 tons; wattle-bark, 2,774 bgs. 3,163 bls.
Loofahs, 72 bls.
Plumbago, 70 cks. 230 pkgs.
Starches (bags), 272; dextrin, 434; farina (potato starch) 4,764; rice, 100; wheat, 80
Wax-bees', 127 bgs. 44 bls. 273 ballots 39 blocks
Wax, carnauba, 710 bgs.
Wax, paraffin, 2,581 bgs. scale, 5,240 brls.
Wax vegetable, 547 cs.

To Glasgow
Nux vomica, 19 tons 19 cwt.: wax, unrated, 535 cwt.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Quality of Saccharin.

SIR,—With reference to the letter from Mr. Queeny, published in the *C. & D.*, December 7, p. 55, regarding the relative purity of British and American saccharin, we are of the opinion that this matter is not one to be settled by a wager. If Mr. Queeny will refer again to our letter published in the *C. & D.*, November 9, p. 51, he will see that we claimed our saccharin to be of better quality than the best American brands handled by us. This claim was supported by figures taken from our records of analysis of a hundred samples of our make, and from similar records of analysis of different American brands. These analyses have been carried out for our own guidance as part of our factory routine, and not to prove that any particular brand of saccharin is more pure than another. We stake not 100 lb. of saccharin but our whole business on the purity of our products, and for this reason we do not propose to enter into any wager with Mr. Queeny. However, if he cares to visit our works, we shall be pleased to furnish him with data which will substantiate the claim put forward in our letter of the 9th ultimo. Yours faithfully,

THE COOPER LABORATORY FOR ECONOMIC RESEARCH.
H. E. LAWS.

An Eight-hour Day.

SIR,—In what way does the vision of an eight-hour day affect the chemist? Surely it is not allowed to pass from his mental horizon without leaving behind a strengthened will to help forward and a resolve to work for its consummation. Why the advantages of a short and intensive day's work have not dawned on masters generally is one of the anomalies which for decades have acted as a brake on the progress of British commerce. Perhaps, being a sportsman, the Britisher feels that if he went all out the rest of the world would not get a chance. Certain it is that he can beat any nation once he puts his back into it. We shall all have to put our backs into it now. Intensive training, intensive business methods, specialisation, organisation, and good will must be our tools with which to hew our monument of industry. Are the masters making use of these to-day? They are not. There is the old lack of boldness and originality, an absence of that faculty which ensures a grasp of the affairs of the moment. A new era is unfolding, and there is little recognition of its importance. The workers of to-day are not those of 1914. They are entitled to conditions in keeping with the new era. Our trade cannot boast of inspiring leadership or originality; the workers are badly paid, and they are asked to work long hours. A radical alteration is necessary. The hours of every employe should be eight, and could be made eight to-morrow without a catastrophe happening. Success in business is not the secret of the few; its attainment rests on well-defined principles, and the measure of success is a question of training, adaptability of mind, and the ability to reason clearly and act resolutely. Shorter hours, better pay, and an interest in the business means better profits, vastly improved work, and contented workers. Will not some firm stand out, lead the way, and show to the world of chemists, retail and wholesale, what must be done if the industry is to go forward, its work bearing the mark of progress impressed by loyal and contented workers? PROGRESS. (249/52.)

The Question of Salary.

SIR,—To my mind the whole question hinges on "salesmanship." I use the term in its broadest sense. After all, "service" is a commodity, and the better the quality the more it is worth. As a class, the craft is poorly paid, and I include many pharmacists who are in business for themselves. The chief reason is lack of ability in the individual, and that very reason is the most prolific cause of failure among masters and men. So you see, success or failure really rests with the man himself, but we are apt to think otherwise. The remedy suggests itself, and that is to become more efficient. How to become efficient is one of the big problems of the day. Education is the key. If a Union could be formed, with its main object to increase the efficiency of employés, then the wage question would become an easy problem. It is no use talking about 5*l.*

a week as a minimum for a qualified manager if he is obviously not worth it. A really efficient manager should easily be worth more, and many are proving it to-day. The increase of wages does not necessarily increase the efficiency of the recipient. For many years the standard of youths coming into the ranks of pharmacy has been low, and very little has been done to educate them. Poor remuneration has accentuated the evil. Pharmacists have had to have help, and felt they could only afford cheap labour. They did not realise that cheap labour is usually the dearest. My point is—and I believe it is the real solution—we shall have to have some definite form of business training for the rank-and-file. Such a movement would eventually supply the calling with well-trained employers, and their employés would receive unheard-of benefits compared with the position as it is to-day.

Yours faithfully,

Huddersfield. E. G. ELBOURNE.

SIR,—I am interested in the letter written by "Midlander" (*C. & D.*, December 7, p. 55). I agree with him that "all gold-mines are not equally productive," and it is less or more a hardship for qualified assistants to be compelled to do the work of girls and their own work too in ordinary circumstances, but the circumstances existing for the past four years are not ordinary, though they soon will be, thanks to those whose place "Midlander" has taken temporarily, it is to be hoped. My experience of girls in one of the most responsible departments in the State service is that they accept all the privileges and ignore the responsibilities. I do not agree that a qualified person, provided he be a salesman and a commercially qualified person, should wait ten years, or that he should have 1,000*l.*, before opening shop for himself unless he is ambitious to begin at the top. I suggest that he begin after five years' service at the bottom and work up to the top. I know a few good men who commenced on less than 100*l.* and are now independent. I do not mean to insinuate that these men are all chemists; they are not, but just plain, sensible men, who found out what the public wanted, let it know they could supply it, added on their personality, were always on the job, and got there sure.—Yours truly,

J. F. G. (9/12.)

SIR,—The question of salary is, as shown by your Correspondence columns, interesting, but it also shows that a large number of assistants have not gone with the times as regards taking steps to obtain adequate remuneration for services rendered. In the daily papers we see mentioned the wages of men in other trades not so responsible or arduous as our own, but the remuneration is better, and also in some cases the conditions of work are more ideal. I recently put in an advertisement for a situation, stating usual particulars including salary. The salary mentioned was 1*l.* per week more than I was then getting. In response, I received about twenty replies from all parts of the country. The writers were all willing to pay the salary asked, but several offered more money, besides other inducements. The hours were reasonable. My experience of the trade (twenty years) has taught me that it pays to move about, as it broadens your outlook on life, and incidentally makes you more valuable to an employer. Long hours are a thing of the past, as the war has proved that people can quite as easily get their medicines before 7 P.M. as they can any other commodity. "Urgent" medicine is a bogey which ought to be dropped for good. In health resorts even there is nothing to warrant being at work till nine at night and half the Sunday selling face powders and creams. A chemist recently advertised for an assistant, and mentioned that he did not want a "dead-alive, no-hope man." This phrase strikes you as being out of the ordinary, and causes you to wonder why men get in that condition. Surely the answer is: Long hours, want of recreation, and insufficient money to live comfortably on. Qualified men ought not to work for less than 5*l.* per week, and unqualified should not take less than 3*l.* 10*s.* per week. Many men will soon come back from the Army, and unless they get paid well in the drug-trade will pretty soon get in some other trade where the prospects are brighter.—I am, Sir,

SPORT. (250/10.)

SIR,—Writing as another multiple-shop manager, I can endorse every word of "Statim's" letter. I had sixteen years' experience of private employers before making the change, and when I approached the last one on the subject of a half-holiday each week (I had all the night duty and was on half of every Sunday) the reply was, "If you insist on the half-holiday you had better find another berth." I did, and my only regret is that I did not take the step ten years sooner. Yours truly,

CAPSULE. (9/12.)

Frabret (249/70) advises chemists to adopt the co-partnership idea in preference to trade unionism. "Co-partnership," he adds, "is the broad high road leading to mutual prosperity and good will between employer and employed." He advocates also the establishment of a "school of social responsibility."

La Russe (7/12) writes suggesting that "Statim" (*C. & D.*, December 7, p. 55) must have some interest as a shareholder in the company which employs him. Our correspondent adds that the formation of a union of pharmacy workers is imperative. Joining a union is also advocated by "Justice" (244/17) as a method of redressing grievances.

North Midlander (249/40), writing as an unqualified assistant employed by a company, does not see that managers and qualified assistants have much to complain about. They have been treated with great generosity, and should have more loyalty than to complain of a little extra work during the past four years. His advice is: "Think good of the company you are working for, and you will have no cause to regret it."

Southerner (248/66) complains that the manager in the company branch with which our correspondent is connected banks the cash, does a bit of clerical work, and serves at the counter, while the other assistants do work, stock-keeping, etc., which does not bring in commission. "Yet when the bonus is distributed the manager is classed at nearly double his qualified assistant and nearly three times his unqualified helpers, and that in addition to all his other emoluments."

Eastern (246/49) writes that if "Statim's" salary has increased yearly without his having to ask for it, he is an exception, unless he refers to increased war bonuses, which all have received, but which are far from covering the increase in the cost of living. "Eastern" obtained a substantial increase, but this was because he had nearly doubled the returns of his branch. He suggests that managers should become shareholders, and thus feel that the business was partly their own.

Francis (10/12) states that, while assistants in company shops finish at closing-time, the manager in the smaller branches often cannot commence his regular work until then—he has been doing the work of inexperienced girls all day. Our correspondent disagrees with "Statim" (*C. & D.*, December 7, p. 55) in regard to good men being sure of "adequate remuneration for work done." It is only those who are "tame," have mastered the art of impressing the absent employer, and who can exploit their assistants, that obtain usually the best positions.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Assistants' Union.

Unity (243/27) writes urging that those employed in the drug-trade should join the Amalgamated Society of Pharmacists, Drug and Chemical Workers in preference to a general labour union of which chemists would form only a small section.

Crow Fig.

"'Xrayser II.' will be interested to know that here in this country business we have several times within the last few years sold 'Crow Fig' over the counter; indeed, our bottle of pulv. nuc. vom. has a second label, 'Crow Fig,' as a synonym upon it. It is used for killing field mice."—*G. R. Hankinson* (Uttoxeter).

German Barbarism Vanquished.

A French Subscriber (154/23), renewing his subscription, adds in his letter the following: "Nous saisissons avec joie cette occasion pour vous exprimer toute notre admiration, nos félicitations et notre reconnaissance, pour la part si grande et si glorieuse qui revient à toute la Grande Bretagne dans le triomphe de la civilisation sur la Barbarie, de la Liberté sur la Tyrannie."

National Health Insurance Dispensing.

A. N. O. (242/10) writes suggesting that as a protest against the shabby treatment received by chemists at the hands of the National Health Insurance Commissioners and some Insurance Committees, all chemist members of Pharmaceutical Committees should hand in their resignations or refuse to carry on the work of the Committees. It would be necessary that they should be loyally supported by the other panel chemists in the areas.

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

F. H. I. (149/40).—There is no new dental law. A Committee has been considering the question of modifications of the present law, but has not yet reported. It is not expected that the rights of chemists will be interfered with.

W. A. B. (241/50) recently agreed to purchase the property he occupies, and paid a deposit. Is he entitled to interest upon the amount of the deposit up to the date of completion of the sale of the property? ["W. A. B." is not entitled to interest upon the deposit unless the contract so provides.]

J. W. M. B. (241/1) is taking an apprentice, and upon presenting the indentures at the local post-office to be stamped he was informed that the document should be left at the post-office to be forwarded to Somerset House for the stamp to be impressed. "J. W. M. B." and the apprentice's parents do not wish the post-office to see the contents of the indentures, and wish to know how to proceed in the matter. [The indentures may be presented for stamping at Somerset House direct, instead of adopting the medium of the post-office. The stamp-duty is 2*s.* 6*d.*]

W. R. D. (246/10).—It is difficult to say definitely what should be the composition of camphorated oil at the present time. The camphor strength must be the same as the lin. camph. lately official in the British Pharmacopœia. A limited amount of olive oil is available at the present time for use in compounding medicinal preparations such as lin. camph. If any other oil is employed the customer must be informed that a "War Emergency Formula" is being employed, because the fact that the General Medical Council has disclaimed its own formulas does not abrogate the rights of the public under the Sale of Food and Drugs Acts.

Cortex (241/43).—B is carrying on a business, and A has agreed to enter into partnership with him, bringing in capital equivalent to half the present capital of the business. A will take no active part in carrying on the business. What interest should A receive upon the amount of capital introduced by him? Should he receive additional interest in the event of the profits of the business increasing as the result of the addition to the capital? [Under the arrangement proposed B, the active partner, provides two-thirds of the capital and A, the sleeping partner, provides the remaining one-third. In our view it would be reasonable that each of the partners should receive 5 or 6 per cent. interest upon the capital brought in by him, and that the balance of the profits should be divided between the partners in a proportion to be agreed upon, having due regard to the fact that B gives his services in addition to supplying two-thirds of the capital.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. E. B. (129/27).—Mould on Engravings.—Careful treatment with hydrogen peroxide is generally sufficient to remove the yellow mould which forms on engravings. Sometimes solution of chlorinated lime is employed, but the difficulty is to remove the chlorine entirely; and if that is not done deterioration of the engraving is sure to take place in time.

J. P. C. (240/60).—Fire-extinguishing Liquid.—This appears to be carbon tetrachloride disguised with lemon oil.

J. E. R. (241/64).—(1) You could probably obtain a copy of the *C. & D. Diary*, 1910, by advertising in the Coloured Supplement. (2) Pocket Electric Batteries.—The process of making these was explained in the *C. & D.*, January 13, 1917, p. 41, and other methods are given in "Pharmaceutical Formulas."

W. H. C. (234/7).—Assistants' Wages.—The articles in the *C. & D.*, November 23, p. 43, and December 7, p. 36, will give you an idea of the trend of wages. The largest company pharmacists in this country have recently announced that the minimum weekly wage of qualified chemists is to be 5*l.*, and for managers 6*l.*

Coney (240/47).—Dyeing Rabbit-skins.—We gave in the *C. & D.*, May 20, 1916, p. 80, a process for dyeing fur which involved the use of a mordanting solution and a dyeing liquid. It is possible, however, that the newer class of dyes, in which metol, amidol, etc., are used, would suit you better. You should experiment with the following dye, which is stated to give as good results as it is simple to apply:

Metol	10 parts
Paramidophenol hydrochloride	3 parts
Paraphenylenediamine hydrochloride	6 parts
Sodium sulphite	5 parts
Rectified spirit	500 parts

This dye is mixed before use with an equal part of 3-per-cent. hydrogen peroxide solution.

A. B. (229/1).—Thinning Oil.—The only simple plan suitable for thinning thick mineral oil is to add to it oil of a lighter specific gravity.

J. & A. (224/54).—New World Liniment.—The following formula of the type you desire is from *The Chemist and Druggist Diary*, 1919, which will be distributed to subscribers in a few days:

Capsicum powder	ʒij.
Origanum oil	ʒiv.
Sassafras oil	ʒj.
Turpentine oil	ʒviij.
Essential oil of camphor ...	ʒxxxviij.

Macerate for twenty-four hours and strain.

R. B. (187/21).—Dyeing Rabbit-skins.—See reply to "Coney."

Delta (234/22).—Soil Fumigant.—Naphthalene is employed for this purpose, and is successful in destroying most of the common soil pests. For garden use 1 lb. is required for eight to ten square yards of soil.

J. J. K. (244/53).—Horse and Cattle Condiment:

Sodium chloride	1 oz.
Sodium sulphate,	
Sodium bicarbonate,	
Juniper-berries,	
Powdered gentian,	
Powdered ginger, of each ...	2 oz.
Linseed-meal	5 oz.
Powdered fenugreek	10 oz.
Powdered asafetida	80 oz.
Powdered fennel	44 oz.

Dose: For horse or cow, a heaped-up teaspoonful with food once or twice a day.

Aerated (242/54).—Solution in spirit is the recognised way of promoting the solubility of essential oils in water. Some time ago a saturated solution of sodium salicylate was suggested, but this had the disadvantage that an extraneous chemical was introduced into the aërated water. The solubility of essential oils in water is as a rule very slight, the pharmacopœial aquæ being mostly examples of saturated aqueous solutions.

W. G. (247/21).—Abdominal Obesity.—For this, local inunction with ox-gall soap was highly recommended some few years ago. Internally spare diet combined with exercises are indicated.

Oxygen (242/17).—Jay Mack's Ledger, advertised in the Coloured Supplement, is what you require for a simple system of drawing up a balance-sheet.

Bruno (227/32).—Beef-and-Malt Wine.—See *C. & D.*, October 20, 1917, p. 52.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Dec. 15, 1868.

Hair-restorers.

Having lately received many inquiries respecting the composition of advertised toilet articles, we are confident that the results of a systematic examination of these costly preparations will be most acceptable to our readers. Chemists and druggists ought to know the composition of every article that may be kept by them, for though they may be excused for selling a simple preparation with a high-sounding name at a fancy price, they should not supply their customers with any toilet article that is obviously harmful. We need not inform our scientific readers that the difficult task undertaken by Mr. Matthews will be conscientiously and skilfully performed.

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HYDROBROMIDE

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16-oz. „	... „ „ „	2/3	... . „	18/-
32-oz. „	... „ „ „	4/-	... ... „	32/-

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2 oz., to retail	2/6	... P.A.T.A. Protected Price,	2/6	... per doz.	21/-
4 „ „	4/6	... „ „ „	4/6	... „	42/-
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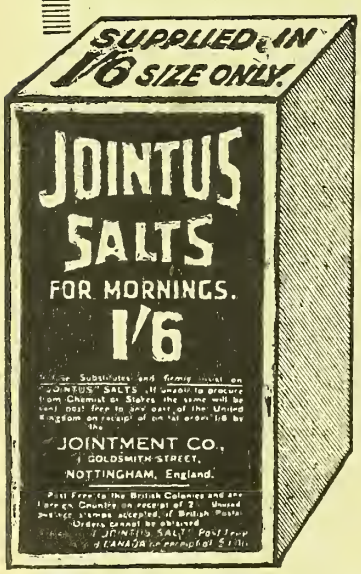

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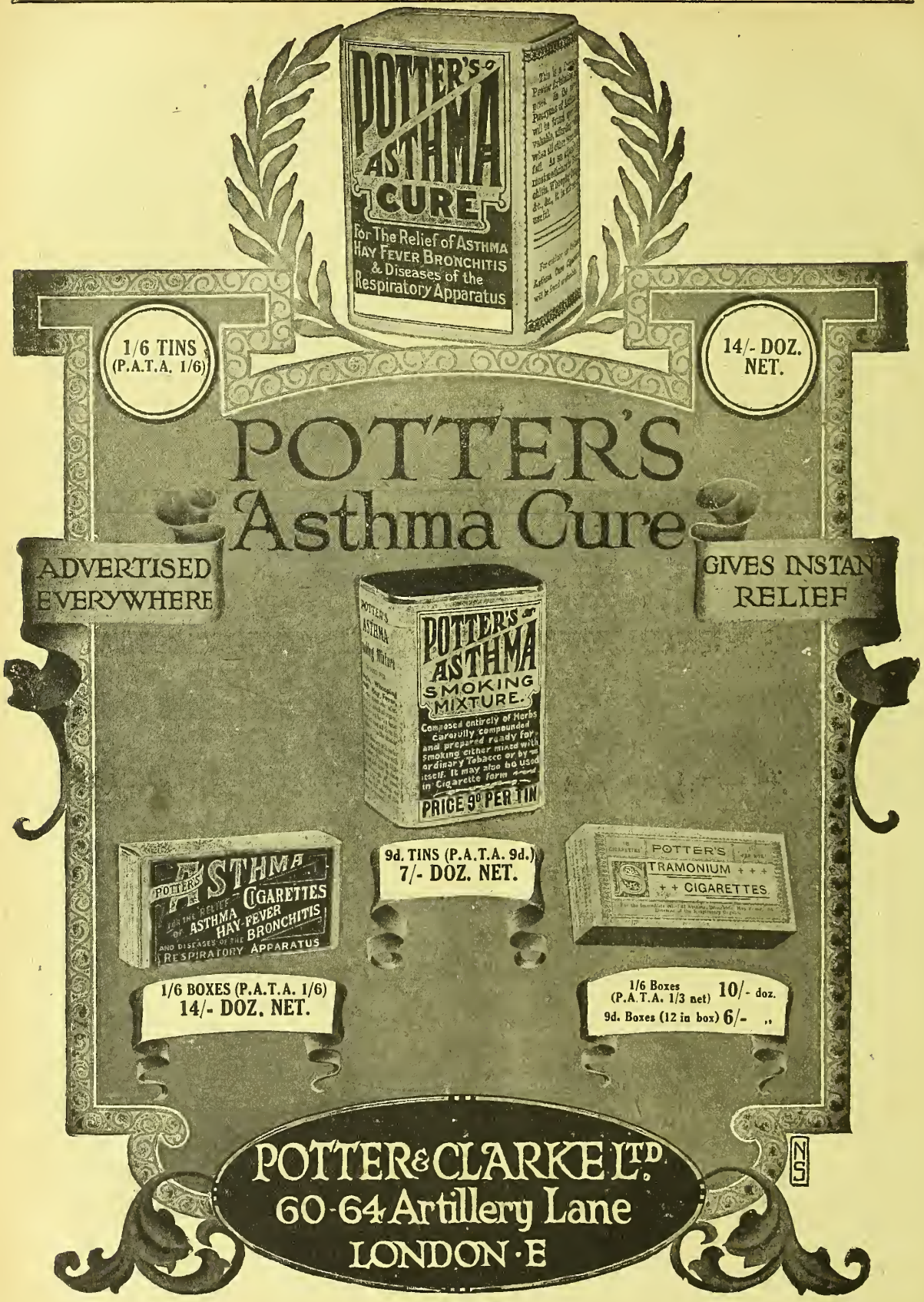
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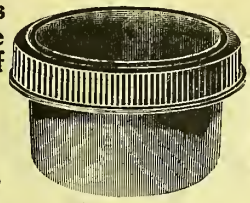

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AIR CUSHIONS.

Fig. 1194.

BRITISH MAKE.

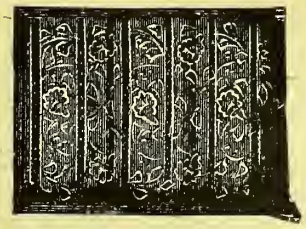

Fig. 1354.

Fig. 1194.—The **"EMPIRE,"** red India-rubber Air Cushion—

Diameter	14	15	16	17	18	19	20 in.
Each ...	**7 0**	**8 0**	**9 0**	**10 0**	**11 0**	**12 6**	**14 0**

Fig. 1354.—Air Cushion, sateen covered, reeded ... ... Sizes 14×10 | 15×12 | 18×14 in.
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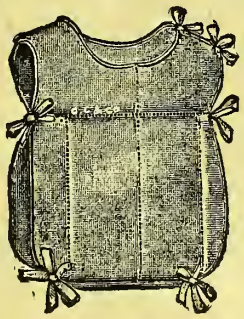

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3	12 in.	10 in.	16/6	2/-	24/-	3/4
4	15 in.	12 in.	20/6	2/6	28/-	4/-
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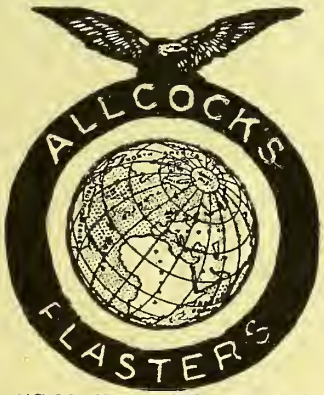

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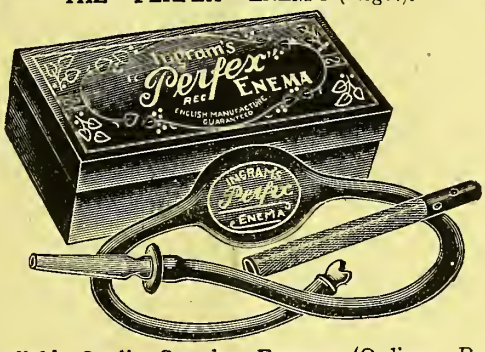

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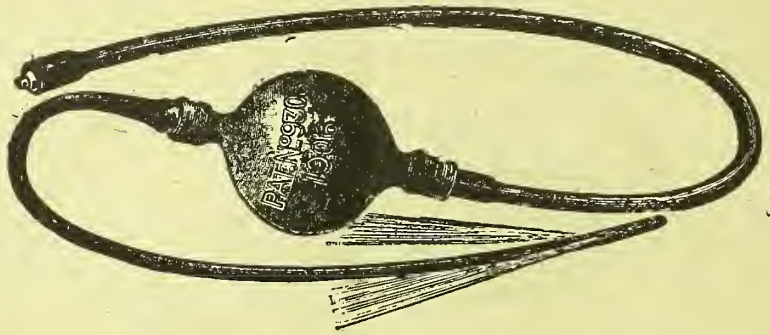

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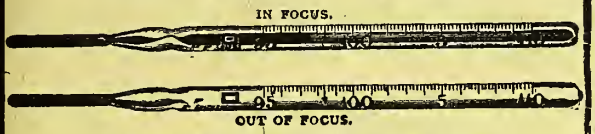

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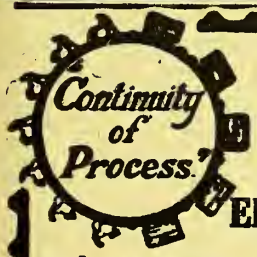

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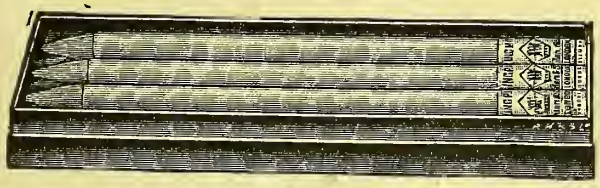

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9.—NORTH OF ENGLAND.—Cash Retail Business, with excellent sale for own Proprietaries; returns average £2,500; *net profit* £700 to £800; stock and fixtures valued at £2,500; rent £50; price £2,300; death cause of sale.

10.—L. & N.W. MAIN LINE.—Old-established Business; Retail and Wholesale in packed goods; gross receipts exceed £8,000, and during the past three years the average gross profit amounted to £2,031; the premises are held on a long lease at a rental of £60; price about £3,000; a banker's reference will facilitate business.

11.—GREAT CENTRAL (Main Line).—Retail and Dispensing Business; returns about £4,000 (present rate); business suited to an energetic man with knowledge of good-class trading; terms, valuation of stock and fixtures and premium for goodwill.

12.—POPULAR HEALTH RESORT (S.E. Coast).—Well-established Business; returns during next year should be about £1,500; present rate £1,000; the business is situate within easy distance of the sea; valuation terms entertained.

13.—HOME COUNTY.—Modern Pharmacy, situate in principal street; returns exceed £1,000; full investigation permitted; the shop is nicely fitted and fully stocked; convenient residence; terms, valuation of stock and fixtures and £100 premium.

14.—GLOUCESTERSHIRE (Market Town).—Good-class Family Retail and Dispensing Business, with Photographic connection; returns last year £1,764 at fair prices; double-fronted shop; roomy house; no keen opposition; terms, goodwill and valuation would be considered.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

DEVONSHIRE (Small Market Town).—Good-class Chemist's Business, doing agricultural and sight-testing work; returns nearly £2,000, increasing each year; easily worked; short hours; prominent position; good fittings and stock; for sale or amalgamation with good firm, or an exchange would be considered; living accommodation, with bathroom; particulars to bona-fide applicants on giving references. "F. S. M. C." (164/14), Office of this Paper.

MANCHESTER.—Consulting, Prescribing and Recipe, and Goodwill of the celebrated Patent Medicine known as Hoffner's Cough Balsam.—For disposal, the old-established Business of J. Higham & Co. (J. Hoffner), situated 122 Portland Street; owner retiring after 43 years' occupation; an exceptional opportunity to a young, energetic man with moderate capital.

WEST SURREY.—For immediate disposal, owing to death, a good-class Cash Retail Pharmacy; turnover this year over £4,000; profits above the average; good stock and up-to-date premises. Full particulars given on application to "Executors" (160/32), Office of this Paper.

WHITTLESEY, CAMBRIDGESHIRE.—To Chemists and Druggists.—For immediate sale as a going concern, owing to the death of the proprietor, a well-situated Dwelling-house and Shop with a good-class Dispensing, Family, and Retail business; established over 100 years; the house is in a good state of repair, and the shop is well fitted and stocked; there is in connection with the business an excellent Newspaper Agency and also a Fire Insurance Agency. Apply Mrs. M. H. Sharpley, Highcauseway, Whittlesey, Cambs.

YORKS.—Old-established Retail and Dispensing; rent £80; turnover about £2,000; good fittings; excellent position in main road of large town. Apply 146/5, Office of this Paper.

BRANCH Business for Sale, near London; returns £900; rent £40; good-class neighbourhood; £300; house and garden. Apply 160/280, Office of this Paper.

MIXED country Business; 20 miles from London; 4,000 industrial population; no opposition; scope for increase; returns average about £600; about 10,000 panel prescriptions annually; rent, house and shop, £30; ill-health reason for sale; price £300 for quick sale, or stock and furniture at valuation. Apply 156/190, Office of this Paper.

OWING TO ILL-HEALTH.—For immediate disposal at valuation, a Chemist's Business, situated on one of the main roads in Manchester; rent £35, with house attached; returns for 1918 over £2,000; two weeks' trial given. Address 158/38, Office of this Paper.

PHOTOGRAPHIC Dealer and Artists' Material Business for Sale, or director to invest £1,000 or more and manage an old-established provincial business; good connection for developing, printing, enlarging, etc.; up-to-date work rooms. "Metopyro" (159/6), Office of this Paper.

SOLUBLE Essence Making (Vanilla, Raspberry, Lemon, Ginger Ale, etc.), and Liquid Colours; complete outfit, utensils, bottles, ingredients, and fullest recipes; high-class products; easily learnt; large profit on cost of production; no goodwill; not worked during war; £150 for all. Apply, first instance, Jackson, Pownall Square, Liverpool.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—YORKS (W. Riding).—Sound Ready-money Retail, in splendid position; returns average £2,500, increasing; *net profit* £700 to £800 clear; good house and Pharmacy; exceptionally well stocked, owner retiring; price £2,300; full value offered.

2.—SOUTH COAST.—First-class Retail and Dispensing Business; in same hands many years; retiring; returns about £900; commanding position; plenty of scope in energetic hands; attractive Pharmacy; well stocked; price simply valuation; no goodwill.

3.—OXON (Death Vacancy).—Old-established good-class country Business in centre of large agricultural district; quite unopposed; returns £1,350; *net profit* £367; good house and garden; well stocked shop; price about £900.

4.—SURREY (Suburb).—Good-class Retail and Dispensing Business in good position; returns £1,800; net profit nearly £450; books well kept; very convenient house; price about £900.

5.—CITY (Death Vacancy).—High-class Dispensing and Retail in splendid position; returns average about £30 weekly under management; plenty of scope; price for quick sale simply valuation, about £650.

6.—LONDON SUBURB, S.E.—Very profitable sound cash Retail; no Panel or Dispensing; returns £2,000; *net profit* £700; splendid main road position; well fitted and stocked; owner retiring; price £1,300.

7.—CRYSTAL PALACE (Near).—Middle-class Retail and Dispensing; returns over £1,200; good profits; no immediate opposition; low rent; fully stocked; price £675.

8.—LONDON, S.W.—Good-class Retail and Dispensing Business; in fine position, close to busy station; returns £1,000; no panel; clear net profit over £300; books properly kept; scope for increase, owner retiring; price £450; part could remain; strongly recommended.

BUSINESSES WANTED.

We are in immediate want of sound concerns returning from £700 upwards; town and country; cash buyers waiting; intending vendors are cordially invited to correspond. Terms on application. Established 1870.

PARTNERSHIPS.

PARTNER wanted in old-established business, manufacturing Proprietary, Chemical, Tanks, Casks, and Drums; only £500 to £1,000; principals only. Apply "Fluid" (15/15), Office of this Paper.

WHOLESALE Drug, or manufacturing pertaining to the trade; advertiser would like to hear of something where experience, push, and good capital would give good return for service and investment. Apply 145/33, Office of this Paper.

FOR SALE.

FOR Sale, 2 cwt. Soap Powder (good) in 56 lb. bags; 9*d.* lb., or near offer. Harvey, Knaphill, Surrey.

FOR Sale, Werner Pfleiderer Double Blade Mixer; fast and loose pulleys; size 14 × 13¾ × 11 deep; in excellent order; price £33. Apply 156/12, Office of this Paper.

FOR Sale, rectangular open-top Iron Tank, ¼ inch thick, rivetted; size 9 ft. × 4 ft. 6 in. × 18 in. deep; in good condition; best offer accepted. Apply 156/121, Office of this Paper.

FOR Sale, No. 4 Model Hand Printing Machine; pull-over handle; in working order; best offer accepted. Apply 156/120, Office of this Paper.

FOR Sale, 20,000 cardboard Slide Boxes (covered white art paper); inside dimensions, 2½″ × 1¾″ × ¾″; price 40*s.* per thousand. Sample on application to 156/20, Office of this Paper.

MIXER for Sale; only in use one month; heavy zinc-lined mixing body, with gunmetal blades and breakers; fitted for power; size of mixing body inside, 3 ft. 1 in. wide by 1 ft. 7 in. front to back by 2 ft. deep; a very massive machine, suitable for mixing heavy masses. Box 131/30, Office of this Paper.

STEARINE for Sale; 8 cwt. hard white block 124° S.P. What offers? Apply 161/27, Office of this Paper.

50 DOZEN Gillette Blades at 4*s.* 6*d.* dozen. Tobais, Cromwell House, High Holborn, W.C. 1.

LEGAL.

RE EVAN JOHN HARRIES, DECEASED.
(County Drug Co.),
79 VICTORIA STREET, DOWLAIS, GLAM.

ALL persons having any claims or demands against the estate of the above deceased are requested to send particulars thereof in writing to the undersigned without delay.

W. J. CANTON, LL.B., Solicitor.
36 Union Street, Dowlais.

AGENCIES.

BELGIUM.—Chemist, returning shortly, is open to take any agencies for best firms of Chemicals, Soaps, Essential Oils, Perfumes, etc.; unique opportunity for English manufacturers to introduce their products on Belgian and French market; office in Liége, the most industrial city of Belgium and France. Apply Geo. Henrotte, 27 Montem Road, London, S.E. 23.

YORKSHIRE.—Sound Agencies wanted; 20 years' speciality travelling experience. F. T., c/o J. B. Frank & Co., Chemists, 310 Brixton Hill, S.W.

AGENTS wanted on commission only, with connection amongst manufacturing Chemists, to carry a side line. Write Box C.D. at Horncastle's, 60 Cheapside, E.C. 2.

AMERICAN AGENCY DESIRED.—One of the most progressive and successful Drug houses in America, amply financed, with best selling organisation, and highest-class Representatives in the principal distributing centres of the United States, Central and South America, enjoying close and confidential relations with the most prominent Drug, Chemical, Pharmaceutical Manufacturers, and Wholesalers, desires American Agency of one or more equally prominent foreign Chemical or Specialty Manufacturers who desire best of American representation; highest bank and agency references. Apply 144/12, Office of this Paper.

EASTERN REPRESENTATIVE.—A qualified English Chemist; who will be disengaged shortly, is prepared to represent a Wholesale and Manufacturing firm of Chemists and Druggists (Chemicals, Pharmaceutical preparations, Packed Goods, and Druggists' Sundries) in India, Burmah, and Ceylon. He has a thorough and extensive knowledge of Eastern trade, having been resident in the East for several years, and visited all the important towns in the above countries on behalf of London principals. Correspondence invited. Apply Post Box No. 341, Bombay (India).

FRENCH Doctor desires to represent as Special Agent visiting medical men in Paris, good-class English house manufacturing Alimentary, Hygienic, or Pharmaceutical products; well experienced in such work and with highest French, English, and Canadian references. Address Dr. St. Aubin, Hôpital de St. Cloud, à St. Cloud (S.O.), France.

SURGICAL INSTRUMENT and SUNDRY HOUSE, having large Showrooms and Warehouse in London, connection with Doctors, Hospitals, etc., and Representatives covering England, would like Agency or working arrangement with firm supplying Drugs. Apply first place to 235/60, Office of this Paper.

THE ANGLO-FRENCH DRUG CO., LTD., desire to inform the trade that they have opened a Branch in Paris with large Stock Rooms. They are therefore now in the position to offer their unique experience in introducing British goods and Specialities into France, and would be pleased to receive proposals as to sole Agencies. The Company would also act as buyers in France for British and Colonial firms on a small commission basis. Proposals, etc., which will be treated confidentially, to be sent to the Head Office, Gamage Buildings, Holborn, London, E.C. 1.

BUSINESSES WANTED.

LONDON.—For March, 1919, quick Cash Retail Business on Store lines, showing a net profit of about £500 a year, with scope for expansion; spot cash will be paid. Full particulars to "Aspiriu" (152/32), Office of this Paper.

A GOOD Business wanted at an early date in Manchester or neighbourhood, returning £2,500 upwards; must be thoroughly genuine, and bear the strictest investigation; cash waiting. Please give full particulars in first letter. Replies, in full confidence, to "Statim" (148/31), Office of this Paper.

GOOD-CLASS, sound, well-established Business wanted; South or South-East; near or on coast preferred; London or good suburb would be considered; net profits about £400 to £500, with scope for increase; living accommodation essential; would like to act as Assistant with view to succession for short time. All replies, in strict confidence and with full particulars, to 154/40, Office of this Paper.

QUICK Cash Business in middle-class or industrial suburbs; returns not less than £2,000; stock at valuation; not to exceed £1,000; sellers only; no agents. Apply 158/21, Office of this Paper.

WANTED, in the early New Year, small Drug Stores; country town or village; mixed no objection; home counties preferred; house and ground attached; particulars in confidence, with lowest cash price; suit unqualified. "Grey" (158/33), Office of this Paper.

WANTED, genuine Business for cash; must bear strictest investigation; turnover about £1,000, or would manage with view to succession; in or near London preferred. Apply "Xaxa" (159/4), Office of this Paper.

WANTED, a Business; suit unqualified; Nottingham or seaside preferred, but not essential. Full particulars, in confidence, 159/14, Office of this Paper.

SITUATIONS OPEN.

RETAIL.

BANBURY.—Wanted for a good-class Dispensiug business (lady or gentleman), Dispenser with good experience and reference (outdoors). Apply Goodman, High Street, Banbury.

BIRMINGHAM.—Experienced Manager (qualified) wanted; used to good-class Store business; permanency; energetic and progressive man liberally dealt with. Apply, with full particulars, General Manager, Hedges (Chemists), Ltd., Dale End, Birmingham.

BIRMINGHAM.—Qualified Assistant required for good-class Pharmacy; outdoors; permanency, with excellent prospect in view, for trustworthy, suitable man; hours 8.30 to 8 p.m., Saturday 9 p.m., close Wednesday at 1, alternate Sundays from 6 to 8 p.m. Replies, with particulars of last two situations, and state salary required, to "H." (149/8), Office of this Paper.

BIRMINGHAM.—Qualified Assistant required for progressive, quick cash business; permanency; state age and salary required. Apply "O." (161/36), Office of this Paper.

BOURNEMOUTH.—Lady Assistant with Dispeusing experience. State particulars of experience and salary required to S. Hardwick, Poole Hill, Bournemouth.

BRIGHTON.—For first week in January, Assistant for high-class Retail and Dispensing business; first-class Dispensing experience an essential. Applicants kindly give particulars as to age, qualification, salary required, experience, etc., in first letter, B. C. Greening, Parris & Greening, 105 Church Road, Hove.

BRISTOL.—Wanted (at once), young man of good appearance as Junior Assistant or Improver; one with some experience in making B.P. preparations preferred; good opportunity and good prospects for smart man. Apply in first instance, giving full particulars and salary required, with photo, to 160/20, Office of this Paper.

CARDIFF.—Two unqualified Assistants (male) required immediately. State full particulars, salary required, and enclose photo if possible, W. T. Hicks & Co., 28 Duke Street, Cardiff.

CHELMSFORD.—Wanted (immediately if possible), Assistant, unqualified, outdoors, for good-class county business; easy hours; must be of good appearance and good Counterman; two others kept; permanency. Apply, giving full particulars and wages required, to T. Bellamy, Pharmaceutical Chemist, Chelmsford, Essex.

CITY firm requires services of competent man or lady with good experience in import and export of vegetable drugs. Apply 245/17, Office of this Paper.

DERBYSHIRE.—Qualified Assistant wanted (immediately); lady or gentleman; easy hours, no Sunday duty. Apply, giving age, experience, salary required, and recent references, to E. J. Latham, Pharmacist, Shirebrook, Derbyshire.

FOREST GATE.—Required, early in January, competent Assistant; good-class Family Dispensing and Photo trade; generous terms to suitable man. Harold Mitchell, 56 Woodgrange Road, Forest Gate, E. 7.

GLOUCESTER.—Unqualified Assistant; lady or gentleman (young); two kept; outdoors; good-class Dispensing and Light Retail; easy hours. State full particulars, with salary, to Ward & Woodman, Gloucester.

GRANGE-OVER-SANDS.—Wanted, early in New Year, Junior Assistant (male or female); outdoors; easy hours, weekly half-holiday, no Sunday duty. Apply, stating age, experience, and salary required, to H. K. Duckworth, Chemist, Grange-over-Sands.

HIGHBRIDGE.—Junior Assistant required (January 1st, 1919). Full particulars of experience and salary required (outdoors) to Orchard, Chemist, Highbridge.

HUDDERSFIELD.—R. O. Walshaw, Pharmacist, has vacancies for two Assistants. Apply, stating salary and all usual particulars, including qualifications, to 4 Market Place, Huddersfield. Discharged soldiers' or sailors' applications welcome.

LINCOLNSHIRE.—Wanted (during January), qualified Manager; able to take entire control of busy up-to-date business, N.H.I., etc.; partly furnished house and gas, and pleasantly situated, facing public park; applicants must be under 40, and able to give undeniable references. Send full particulars to 158/34, Office of this Paper.

LONDON.—Lady Minor required to manage small Retail business, which has been previously managed by woman Pharmacist; non-resident. State salary required, 159/9, Office of this Paper.

LONDON.—Elderly qualified Chemist required; easy hours; light duties; permanency. "Elderly" (161/360), Office of this Paper.

LONDON.—Qualified single young man required; capable of taking charge in absence of principal; excellent prospects and a permanency. "H. L." (161/364), Office of this Paper.

LONDON, N.—Wanted (at once), lady or gentleman, whole or part time. Apply or write, giving full particulars, to "D.," 14 Highbury Park, N. 5.

LONDON (North-West).—Qualified Assistant for good-class Dispensing business; in- or outdoors; moderate hours; must be good Dispenser and reliable; competent to take charge; excellent opportunity for progressive man. Apply, giving full particulars and salary required, to "Statim" (156/19), Office of this Paper.

LONDON, N.W.—An Assistant required, full or part-time, at once or after Christmas; duties principally Dispensing and Light Retail in select business. Apply 158/35, Office of this Paper.

LONDON, N.W. 6.—Junior Assistant (man or woman) wanted for Dispensing business. Davidson, Pharmaceutical Chemist, 342 High Road, Brondesbury, N.W.

LONDON, N.W.—Wanted (immediately), temporary Assistant for the Dispeusing Counter. W. R. Ames, 142 High Street, St. John's Wood, N.W. 2.

LONDON, S.W.—Bradley & Bourdas require a Junior Assistant. Particulars to Mr. Bourdas, 6 Pont Street, S.W. 1.

LONDON, S.W.—Dispenser (capable) wanted immediately; outdoors; easy hours; good salary. Apply to Mr. W. G. Williams, c/o Cooper, Son & Co., Ltd., 24 Sloane Street, S.W.

LONDON, S.W.—Experienced Assistant (male) for quick cash business; no Sunday duty; two kept. Full particulars, when disengaged and salary required, to 160/38, Office of this Paper.

LONDON, W.—Wanted (early in January), qualified Assistant for Retail Counter. Apply, giving full particulars, to the Manager, Drug Department, Junior Army and Navy Stores, Ltd., 5 Regent Street, S.W. 1.

LONDON, W. 1.—Wanted (immediately), an experienced Assistant; progressive salary to a suitable man; personal application preferred. Apply J. Munro & Co., 273 Regent Street.

LONDON, W.—Wanted, a Junior Assistant to assist at Dispensing Counter; must be quick, accurate, and neat. State age and salary required to John Atkins, Chemist, Queen's Road, Bayswater.

LONDON, S.W.—For Dispensing business, an experienced Assistant required; salary £4 per week. Apply "P. R." (162/7), Office of this Paper.

LONDON, W.—Junior Assistant to assist in Dispensing. Apply, stating usual particulars, to "K." (250/39), Office of this Paper.

LONDON, W.—Competent Assistant required, with good Dispensing experience. Apply, with particulars of previous engagements, age, height, and salary required (outdoors), to 160/34, Office of this Paper.

MALVERN.—Unqualified Assistant required for high-class business; good opening for young man of good address; good Dispensing and Counter experience is essential; permanency. Apply "M." (161/363), Office of this Paper.

MANCHESTER.—Qualified Assistant for City business; short hours, one o'clock Saturdays. State age, wages, and experience to 158/14, Office of this Paper.

MANCHESTER.—Junior wanted, lady or gent., for Light Retail and Dispensing business; no Sunday duty. State age, salary required, and enclose photo, to A. A. Auger, M.P.S., 121 Manchester Road, Chorlton-cum-Hardy.

MANCHESTER: ANCOATS HOSPITAL.—Wanted, a qualified (Minor) lady Dispenser, to devote whole time to the duty of the office; lunch and tea provided. Apply, not later than 17th December, stating age, experience, and salary required, together with copies of three recent testimonials, to Herbert J. Dafforne, Secretary.

MANCHESTER DISTRICT.—Wanted, a real live Branch Manager, who will be dealt with liberally. Apply, giving full details, to C. H. Griffiths, Ltd., Chemists, Droylsden.

MANCHESTER DISTRICT.—Wanted, capable Manager for good medium-class business; no Sunday or half-holiday duty. Send full particulars of experience, when at liberty, and salary for permanency, to "Jasdon" (161/20), Office of this Paper.

PONTYPOOL, MON.—Wanted, as soon as possible, an energetic and capable Manager. Apply Godfrey C. Wood, 5 George Street, Pontypool, Mon.

SHEFFIELD.—Messrs. G. T. W. Newsholme, Ltd., 27 High Street, Sheffield, require qualified Assistant with first-class experience. Address applications, giving full particulars, salary required, and references, to Mr. Austen.

SOUTH OF ENGLAND.—A firm of Chemists are desirous of meeting with a gentleman for their Retail, who has had exceptional experience in high-class Pharmacy; about 25 to 30 years of age, and married. Apply "Pharmacy" (248/90), Office of this Paper.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES.—Assistant wanted; temporary would suit; if capable Dispenser, 50s. per week. Send full particulars, experience, references, Henderson, Pharmacist, Llanelly.

SOUTH WALES.—Qualified Manager required for progressive branch within 17 miles of Cardiff; man speaking Welsh preferred; liberal interest in the profits offered to any man who is prepared to put his whole energy into the business. Apply "S. W." (161/362), Office of this Paper.

WEST OF ENGLAND.—Assistant wanted (immediately); man or woman; mixed country business. Apply 251/1, Office of this Paper.

WEST RIDING.—Manager, qualified or unqualified, required for good-class business; must be a smart Salesman, used to modern methods of business; able to control staff; hours 8.30 to 7, 1 Thursday, 8 Friday and Saturday; to a reliable man with first-class testimonials good salary will be given. Apply 158/29, Office of this Paper.

WEST RIDING.—Elderly qualified Chemist required (immediately); duties light; easy hours; permanency. Apply "L M." (161/361), Office of this Paper.

AN Assistant (lady or gentleman) for evenings; Dispensing and Retail. R. B. Betty, 1 Park Street, Regent's Park, N.W. 1.

ARE you looking for a berth where ideas are appreciated, where ability and industry are well paid for? We are in need of an unqualified Assistant of unimpeachable character, capable of taking over management of Retail business in South Wales (under supervision); good Counterman, Salesman, Prescriber, and Stockkeeper necessary; no N.H.I.; no heavy trade; no Sunday or holiday work. Send full particulars in first letter, with salary required and photo, to "Initiative" (249/13), Office of this Paper. Personal interview arranged.

ASSISTANT required; active; good opening for suitable man. Give reference, age, and salary required to C. A. Critchley & Co., Pharmaceutical Chemists, 10 King William Street, Blackburn.

ASSISTANT (unqualified) for City business; high-class; preferably one with London experience; good Window-dresser; permanency. Apply, with full particulars, to General Manager, Hedges (Chemists), Ltd., Dale End, Birmingham.

ASSISTANT (unqualified); N.H.I. Dispensing, etc.; personal application preferred. Part time would be entertained. Austin, 176 High Street, Hounslow.

ASSISTANT for Retail and Dispensing; comfortable berth; good salary; occasional Sunday evening duty. Apply personally, Wm. Fox & Sons, Ltd., 109-113 Bethnal Green Road, E. 2.

ASSISTANT wanted for good-class Dispensing and Retail business; outdoors. Please state usual particulars, age, experience, salary required, D. T. Davies, 567 Finchley Road, Hampstead, London, N.W. 3.

ASSISTANT Dispenser (lady) wanted; must be experienced and Minor qualification; board and residence provided. Address, stating age, salary required, and full particulars, with copies of not more than three testimonials, to the Secretary, Salford Royal Hospital.

ASSISTANT.—Wanted, a competent Assistant for Dispensing and Counter; must be neat and accurate, and used to a good-class progressive business. State all particulars as to experience, age, salary required, to E. M. and M. T. Chater, Chemists, Watford.

CAPABLE Junior required (at once) for Retail business; accustomed to agricultural and veterinary requirements; good hours. Apply, with full particulars, to Mr. Frank G. Hines, Messrs. Folkards, Pavement, York.

COMPETENT Assistant (male) for mixed country business; two others and Porter employed; easy hours; no Sunday or holiday work. State experience, references, and salary required (outdoors), H. R. Maynard, Chemist, Horncastle, Lincs.

DISPENSING Chemist (man or woman), with Pharmaceutical qualifications, required temporarily at the London County Mental Hospital, Hanwell, W. 7; the salary will be £3 3s. a week; no emoluments. Applications to be made in writing, giving particulars of qualifications and references, to the Medical Superintendent.

DISPENSER-BOOKKEEPER (lady) wanted by Doctor; to live in; previous experience unnecessary; salary £4 per month. Apply by letter to Dr. J. A. Butler, 269 Goldhawk Road, London, W. 12.

EXPERIENCED unqualified Assistant required for a good-class Retail and Dispensing business; quick and reliable worker essential; outdoors; permanency preferred. State full particulars, age, height, and experience, and photo if possible (to be returned), Savage & Co., Pharmaceutical Chemists, Brighton.

EXPERIENCED lady or gentleman required for Dispensing and Photographic business. State whether qualified and usual particulars to Harold Chard, 26 Westgate Street, Ipswich.

EVANS SONS LESCHER & WEBB, LTD., have a vacancy in their fine Chemical Works, Runcorn, Cheshire, for a young Chemist with Pharmaceutical training.

FRANK A. ROGERS, 327 Oxford Street, W. 1, has a vacancy for a smart Counterman and also a Junior Dispenser. Please give full particulars of experience, etc.

IMMEDIATELY.—Wanted, a qualified Chemist or General Manager of two Chemist's Shops; must be one experienced in buying and bookkeeping, with good references. Apply, stating age, height, and salary required, to Barkers, Chemists, Grimsby.

LADY Dispenser to medical man in Midland county; Hall or Minor; work not heavy; bookkeeping not required; to live out. State salary, "B." (155/2), Office of this Paper.

LADY Assistant for Dispensing and Retail Counter; Minor or Hall certificate; hours 9 to 7; outdoors; Midlands district. State age, experience, salary required, and when at liberty, 159/5, Office of this Paper.

LADY Assistant (qualified) for high-class Dispensing business. Will applicants kindly give particulars as to age, previous experience, to "South" (248/9), Office of this Paper.

LADY Assistant wanted, chiefly for Dispensing; moderate hours; outdoors; no Sunday duty; three lady Assistants employed. Apply Shields & Warren, St. Albans.

LADY Dispenser wanted as soon as possible; Hall qualification; state experience and salary required; Friday evening and Sunday free. Dr. Mailer, 86 Alexandra Park Road, Muswell Hill, N. 10.

LADY Assistant; capable of managing a small branch near London; qualification not necessary; hours 10 to 6. Apply 160/28, Office of this Paper.

LEWIS WING, LTD., temporarily require a qualified Assistant for Dispensing and Retail business. Apply, stating salary required (outdoors) and references, to Manager, Regent Street, Weston-super-Mare.

LOCUM (immediately). Terms and particulars to Leach & Son, 34 Market Place, Macclesfield.

MANAGER, qualified, married preferred, to live on premises at branch; good prospects for smart man. Belsher, Chemist, Bloxwich.

MANAGER wanted for a small branch; would suit elderly qualified man, or could run business as a Drug Store for suitable unqualified lady or gentleman. Apply Smith, Chemist, Gosport, Hants.

MANAGER (qualified) wanted; capable of taking entire management (with assistance of principal) of a high-class Dispensing business in West London district; must be energetic, good organiser, and adaptable; permanency to suitable gentleman, and prospects of future interest available; hours of business 8.30 to 6.30; outdoors; interview. Particulars of previous engagements and salary required to "X." (160/2), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

QUALIFIED lady or gentleman, with experience in good-class Retail; outdoors. Please state age, experience, qualification, salary required, and when at liberty (enclose photo, to be returned), L. J. Reade, Pharmaceutical Chemist, 17 Lichfield Street, Wolverhampton.

QUALIFIED Manager for Branch after Christmas; sole charge; N.H.I. Dispensing; near Victoria. Apply Buddles, 91 Charlwood Street, S.W. 1.

QUALIFIED Senior Assistant; accustomed to good-class Dispensing business. Apply "Cork," c/o British Drug Houses, Ltd., 22-30 Graham Street, London, N. 1.

QUALIFIED Assistant, active and thoroughly capable, wanted early in January (outdoors). Apply, with full particulars, to M. Elliott, Pharmaceutical Chemist, Walsall.

QUALIFIED Assistant for Dispensing Counter. Apply, giving full particulars of previous experience, to Roberts & Co., 76 New Bond Street, W.

RANDALL & SON, LTD., Southampton, require the services of a qualified and capable Assistant about 30 years of age; knowledge of Optics desirable, but not essential (no sight testing); married preferred; Saturday afternoons free, Sunday duty 10.30-12.30, 6.30-8.30 divided between three; only those who have had good-class experience and can produce exceptional testimony need apply. Application to be addressed to H. Wilson, F.I.C., 146 High Street, Southampton.

RELIABLE Assistant required in good-class general business. State full particulars and salary required (outdoors), James S. Prior, Pharmaceutical Chemist, 19 High Street, Stamford, Lincolnshire.

REQUIRED, a temporary unqualified Assistant; gentleman or lady; might be made a permanency; good berth; moderate hours and easy work. Apply, stating age, height, and salary required, giving references, to Barkers, Chemists, Grimsby.

SENIOR Assistant, qualified, with good Dispensing experience, required in January; high-class business; no panel work; permanency to suitable man. Apply, with usual particulars, Windemer, Royal Parade Pharmacy, Harrogate.

THOROUGHLY capable Assistant required (at once); qualified preferred. Nathl. Smith & Co., 373 High Street, Cheltenham.

WANTED, competent Assistant in brisk Dispensing and Retail business; outdoors; personal interview preferred if possible. Apply Phillips, 29 High Street, Hampstead.

WANTED, qualified Manager for branch; good house; no Sunday or holiday duty; easy hours. Apply with usual particulars, stating salary required, Osborne, Chemist, Reading.

WANTED, Junior Assistant, in- or outdoors, to assist at Dispensing, preparing Galenicals at general routine work; excellent all-round experience can be obtained. Apply Phillips, 29 High Street, Hampstead.

WANTED (at once), a qualified Assistant (lady or gentleman), Welsh-speaking preferred, for good-class country Dispensing and Veterinary business, with knowledge of Optics if possible; easy hours. Particulars to Ellis, Llanfair Caereinion, Welshpool.

WANTED, Assistant (either sex); hours 8.30 to 6.30, no Sunday duty. Apply Middleton & Co., Ltd., Chemists, Middlesbrough.

WANTED by first week January, Junior Assistant good Dispenser. State experience and salary required to C. J. Allan, Chemist, Redcar.

WANTED, an Assistant, indoors or outdoors, in a light Dispensing and Prescribing branch; a good Salesman; comfortable home. Apply, with particulars of experience, age and salary, and when disengaged, to Chemist, 9 The Village, Old Charlton, S.E. 7.

WANTED, Assistant (qualified), also Junior; must be smart and reliable. Apply, with full particulars, to Oliver & Co., 487 High Road, Tottenham.

WANTED, lady Dispenser with Hall qualification; short hours; 1 o'clock Saturdays, no Sunday duty. Apply Staff Superintendent, C.S.S.A., Ltd., 136 Queen Victoria Street, E.C. 4.

WANTED, Assistant of good address, and accustomed to a high-class Dispensing business; not under 23 years of age; others kept; hours of business, 8.30 to 6; outdoors. Full particulars to Mr. Lewis, Chemist, Ealing, W. 5.

WANTED, part-time Dispenser; East End Surgery; two evenings a week, from 6-9 p.m. (about). Apply, giving references, 161/38, Office of this Paper.

WANTED, capable energetic Assistant; tactful Counterman; good Window-dresser, Photography; easy hours; liberal salary. Apply 161/12, Office of this Paper.

WANTED (in a month), qualified Assistant; experienced and competent to take charge if required; Light Retail cash business; references must be undeniable; commencing salary £5 10s. per week. Apply with all particulars, "Essex" (160/33), Office of this Paper.

WANTED, qualified Manager for high-class Family Store trade on South Coast; not Brighton or Hove; good salary and commission on profits; permanency; applicants must have good appearance and address; used to high-class trade. State full particulars, age, height, salary required, when disengaged (could wait four to six weeks for right man). Apply Chemist, 20 Montefiore Road, Hove.

YOUNG qualified Assistant required (at once) to assist in opening branch and in reorganising old-established business. Reply, stating experience and other details, to "Chemicus" (158/22), Office of this Paper.

62 SOUTH AUDLEY STREET, GROSVENOR SQUARE, W. 1.—Potts & Rees require a capable Assistant for Dispensing and Counter; reasonable hours; progressive salary to a dutiful man. Apply Mr. D. M. Rees

48 HOURS PER WEEK AND NO EXTRA DUTY.—Comfortable berth for good unqualified Assistant in quick Cash Retail in West Riding; must be thoroughly reliable and trustworthy; able to take charge; good salary to man willing to do his best. Full particulars, references, etc., in first letter to 155/5, Office of this Paper.

10 CHESTER PLACE, HYDE PARK SQUARE, W. 2.—A good Junior required to assist at Dispensing Counter; hours 9 a.m. to 8 p.m., two late nights until 9.30 p.m., duty every third Sunday morning and evening only; excellent opportunities in this reconstructive period to a willing man. Apply Maitland, Son & Lindley.

£15 PER MONTH.—Really smart Counterman, unqualified, single preferred, for good family business; one used to good turnover, and good at Window-dressing and Stockkeeping; don't want the "dead alive—no hope" man, but one who wants a good chance in life; easy berth for quick active man, and salary will not end at figure named; references must be right; send photo and when disengaged (fare advanced). "Spero" (144/20), Office of this Paper.

WHOLESALE.

LONDON.—Wholesale house requires competent Clerk to take charge Surgeon's department; invoicing and dispatching; must have had good experience. Apply, stating age, previous engagements, and salary required, to "Medical" (251/15), Office of this Paper.

MANCHESTER.—Assistant required for manufacturing business; under 30; permanency for intelligent and all-round capable man. State full particulars and salary required. Apply 160/19, Office of this Paper.

A COMPETENT man to manage Despatch Department; must have a thorough knowledge of the Drug Trade; good salary. Apply Wright, Layman & Umney, Ltd., 46 Southwark Street, London, S.E. 1.

ASSISTANT for Pill and Tablet department; must have practical knowledge. Apply Wright, Layman & Umney, Ltd., 46 Southwark Street, London, S.E. 1.

AT once, Second Wet Counterman; assist with Stock, etc. Wm. Hay, Ltd., 3 York Street, Walworth, S.E. 17.

BUYING.—Manufacturing Chemists require well educated, energetic man, about 25, to assist in buying Drugs and Chemicals. Apply, stating experience and salary required, to 247/33, Office of this Paper.

CAPABLE Assistant required in Wholesale (and Retail) business; familiar with small packed goods; able to supervise stock, packing, and to travel; must have real knowledge of this side, and capable of developing department; willing to consider permanent position with investment; excellent opportunity. "Yorkshire" (161/26), Office of this Paper.

CHEMIST.—Provincial Wholesale house requires the services of a Chemist who should have a thorough practical knowledge of the manufacture of Galenicals; one seeking a permanency preferred. Please give particulars of previous experience, age, and salary expected, 158/24, Office of this Paper.

DRUGGISTS' SUNDRIES.—Wanted, by large Wholesale firm, a man of good education and suitable previous experience, not over 30, to assist with buying of Surgical Instruments, Druggists' Sundries, etc. Application, with full particulars, to 247/330, Office of this Paper.

EVANS, GADD & CO., LTD., Wholesale Druggists, Exeter, will require (shortly) an experienced Assistant for their Manufacturing Laboratories. Apply, giving full particulars of training, experience, salary asked, etc., to H. Wippell Gadd, 100 Fore Street, Exeter.

EXPORT Invoice Clerk for provincial Drug house, with knowledge of Shipping, Freight, and Insurance. Apply, stating age, experience, and salary required, to 249/45, Office of this Paper.

FACTORY Manager required; must be really expert in the preparation of food stuffs; salary £300 per annum. Apply, with fullest particulars, giving all details of past experience, to Standard Health Food Co., Ltd., Joybells Works, Reading.

GIRLS for Laboratory and ribboning Toilet goods. Apply Leighton, 35 Gray's Inn Road (opposite Holborn Hall).

GOOD position and prospects offered to gentleman with thorough business experience acquired in import and export houses; able to correspond on own initiative; knowledge of French essential. Apply, full details, age, salary, etc., 160/1, Office of this Paper.

HOUGH, HOSEASON & CO., LTD., 2 Bridge Street, Manchester, require the services of experienced Wet and Dry room hands. Please state full particulars and wage required.

LABORATORY Hand wanted; accustomed to Wholesale Druggists' Steam Laboratory; one well up in the manufacture of Galenicals; good prospects for a willing worker. State experience, age, and salary required. 158/240, Office of this Paper.

LABORATORY Manager required for Midland firm; general all-round man; suit young man anxious for scope to improve himself; Retail knowledge an advantage. Apply, with full particulars, "Ibis" (159/11), Office of this Paper.

LABORATORY hand required; one used to manufacture Galenicals; good prospects. State full experience and wages required, 224/47, Office of this Paper.

MANUFACTURING Chemists (provincial) require fully qualified man; experienced in making Compressed Tablets, Ointments, Extracts, and Toilet preparations; capable of managing and supervising. State age, experience, and salary required. Apply 248/34, Office of this Paper.

PROVINCIAL firm (Lancs) require man with working knowledge of steam plant and manufacture of Extracts, Syrups, Spirit Recovery, etc. State wage and past experience, in confidence, 160/240, Office of this Paper.

QUALIFIED Chemists, desiring good experience in the Wholesale Drug trade, should apply at once as below; a few vacancies owing to post-war developments. Q. C., c/o Dixons, 195 Oxford Street, W.

REPRESENTATIVE; London and district preferred; one with connection among Manufacturing Chemists and Wholesale Druggists; must be active, reliable, experienced smart Salesman; well educated; good references required; salary, expenses, and commission; full details treated confidentially; unique opportunity for good man; permanency and progress. Write "Salesman," Box 474, Judd's, 97 Gresham Street, E.C.

REQUIRED, for Wholesale Druggists in City, Assistant for Wet floor; good opportunity for Improver from Retail. Apply by letter, giving full particulars and salary required, to 250/65, Office of this Paper.

TRAVELLERS wanted on commission to carry Proprietary, calling on Chemists and Stores throughout England, Scotland, and Wales. State experience and district covered, with references, to 162/9, Office of this Paper.

THOMPSON & CAPPER, LTD., have vacancies for Assistants in Liverpool and Southport; knowledge of Photography preferred. Apply, giving full particulars, to Mancsty Buildings, College Lane, Liverpool.

TOILET PREPARATIONS, PERFUMERY, SOAPS.—Departmental Works Manager for London, with practical experience, required for the New Year; good and progressive position for competent man. Apply, full particulars, salary required, to "Progressive" (249/25), Office of this Paper.

WANTED by firm manufacturing well-known Diabetic Products, an educated gentleman of professional experience, to call upon Doctors; must be a man of high standing and unexceptionable references. Apply in writing, giving full particulars, "Thera," c/o R. Maurice & Co., Ltd., 21 Bedford Chambers, Covent Garden.

WANTED, an Assistant for Despatch Department; good knowledge of Drug Trade necessary. Apply to Wright, Layman & Umney, Ltd., 46 Southwark Street, S.E. 1.

WANTED, young man, qualified preferred, with sound, if not extensive, knowledge of Drug Trade, for Lancashire manufacturing firm; progressive position. State age, experience, and salary, 160/24, Office of this Paper.

YOUNG woman wanted for fine Chemical Counter; experience in packing similar goods essential; also woman who has had experience in Ampoule sealing. Apply to J. F. Macfarlan & Co., 9 and 11 Moor Lane, E.C. 2.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

FAR EAST.—One or two qualified Assistants; age 21 to 30; must have had good experience in first-class Dispensing and Retail business; liberal salary for suitable men; three or four years' agreement; passage paid out and home. Address "Export," 64 Crutched Friars, E.C.

INDIA.—Medical and Pharmaceutical; gentleman required, thoroughly conversant with the handling of high-class special preparations for the Medical profession in India. State full particulars to 249/47, Office of this Paper.

ITALY.—Qualified Assistant for Dispensing and Counter; knowledge of languages not essential. Write, with full particulars, and, if possible, photograph, H. Roberts & Co., Corso Umberto, 417, Rome.

DENTAL Assistant required for Algiers for a permanency, or with a view to partnership; liberal remuneration. Write, with references, to Dr. Dejean, No. 1 rue Charras, Algiers.

LABORATORY.—Wanted for South Africa, a first-class man to take charge; climate healthy; conditions generally are good, and food plentiful. Apply Lennon, 14 Lafone Street, London, S.E. 1.

PILLS AND TABLETS.—Wanted for South Africa, a Laboratory hand; thoroughly experienced in making Pills and Tablets; unmarried preferred. Apply Lennon, 14 Lafone Street, London, S.E. 1.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

[HOME.]

RETAIL.

A GENTLEMAN, aged 53, requires post as Dispenser or position of trust (outdoors); 36 years' experience in medical profession; neat, quick, an able Prescriber, Tooth Extractor, etc.; excellent references; offer. Apply "Drugs," c/o Scragg, Chemist, Swadlincote.

ADVERTISER, qualified, with experience in all classes of the trade, requires post as Manager of light business; middle-aged, active, reliable, with excellent references; permanency. "M.P.S.," c/o Geo. Hollier, 29 Orchard Street, Bristol.

AS Manager; qualified; country preferred; excellent references; good West-End and country experience. Please state terms. "Salol" (160/35), Office of this Paper.

AS Senior and Dispenser; good Counterman; 33; married; highest references; disengaged January 6th; Midlands preferred. "Urgent" (160/37), Office of this Paper.

ASSISTANT (unqualified), 33, married, energetic, willing, tactful, desires busy Counter permanency; could undertake all duties; North-East England preferred, but not essential; at liberty January. State salary, Willis, Jun., "Miramar," Whitby, Yorks.

ASSISTANT, 24, 10 years' experience Dispensing, Counter, and Photography, desires comfortable berth; at liberty January 1st. Full particulars to "Provincial" (161/34), Office of this Paper.

BRANCH Manager; qualified; reliable; successful; first-class references; married; Coast preferred, not essential. "Lux" (159/13), Office of this Paper.

BRISTOL DISTRICT.—Qualified; middle-aged; active; any capacity. "Cymro" (159/30), Office of this Paper.

CHANGE desired; all-round good-class experience; capable and industrious; very best references; 55; unqualified. Salary and particulars to "Rhine," 68 Berisford Road, Portsmouth.

CHEMIST, M.P.S., would like offer of post for after demobilisation; Sergeant Dispenser since August 1914; age 32; height 5 ft. 9 in.; single. Clark, 88 Putney Road, Handsworth, Birmingham.

CHEMIST; 41; locum; permanency; disengaged 31st; could commence earlier; no public limited companies nor so-called "Cash Chemists" need apply, nor will my certificate be "lent" for "small salary and sitting down kind of job"; sound Pharmaceutical help awaits a qualified proprietor who is up against the greater or lesser combines. Replies (entirely confidential on both sides) will probably take four days, 160/22, Office of this Paper.

CHEMIST, 122a Holland Road, Kensington, W. 12, as locum; excellent experience and credentials.

CLERICAL; evening work of any kind; terms moderate. Write "F. G." (159/15), Office of this Paper.

COMPETENT Assistant seeks situation in good-class London Pharmacy, chiefly Dispensing, with Counter. Reply, with usual particulars, 161/33, Office of this Paper.

EVENING or week-end work; qualified; first-class all-round experience; W. or W.C. preferred; at liberty now. Apply 164/3, Office of this Paper.

HIGHLY successful Manager requires engagement, where he may invest some capital, with view to interest or succession. Apply 160/30, Office of this Paper.

LADY Dispenser, qualified, experienced, desires post with Doctor (London). Send full particulars to 158/17, Office of this Paper.

LADY (Hall) seeks post; Doctor or Hospital; highest references; now disengaged; four years' experience. Miss E. Isemonger, St. Jacques House, Guernsey.

LADY Dispenser desires post; City, West, or on G.W.R. Jarvis, "Castleacre," Twyford, Berks.

LADY requires post; Counter; experienced. "Disengaged," 30 Granville Road, Southtown, Great Yarmouth.

LADY Dispenser (22), Hall experience, desires post; Hospital or Doctor; Bookkeeping if required; W. or S.W. district preferred. Address 159/31, Office of this Paper.

LADY, Apothecaries' certificate, good Hospital experience (civil and military), seeks re-engagement with Hospital or Institution; good references. Apply 162/1, Office of this Paper.

LOCUM TENENS; disengaged December 14th; experienced. "L. T.," 1 Eton Road, Newport, Mon.

LOCUM; qualified; disengaged; London or provinces. Cito, 4 Blenheim Road, N.W. 8.

LOCUM or Temporary Manager; 42; qualified; London; disengaged; experienced Optician and Dental Operator. Apply 160/3, Office of this Paper.

LOCUM; London and provincial; large experience; best references. Apply 162/600, Office of this Paper.

LOCUM Tenens Manager, qualified, 50, or three or four days weekly. Apply 160/9, Office of this Paper.

LOCUM; age 43; active; wide experience; West End, etc.; disengaged December 7th. Apply U.S.A., 160/5, Office of this Paper.

MANAGER (31), qualified, married, desires permanent situation, or as Senior; excellent references and good all-round experience; abstainer. State salary offered, "Rhei" (158/28), Office of this Paper.

MANAGER or Senior, with view to ultimate succession; qualified; 37; accustomed to control staff; buying, bookkeeping, organiser, etc.; at liberty early in New Year. Please state salary offered, 158/19, Office of this Paper.

MANAGER or other responsible position; 25; married; ten years' experience town and country; full particulars first instance please; Stores not objected to. Apply 158/120, Office of this Paper.

MANAGER desires the working of a branch business; one which has been neglected preferred, where personality and a long and varied experience may have an opportunity of showing to mutual advantage; last three years' work shows an increased turnover of £1,000; disengaged end of January. Apply 148/29, Office of this Paper.

MANAGER, qualified, 42, desires responsible position in London; business builder; experienced Optician and Dental Operator. Apply 160/300, Office of this Paper.

MANAGER (unqualified); best references; large experience; London and provinces. Apply 162/6, Office of this Paper.

PERMANENT or Locum; eighteen years London, W., Continent; fluent French; expert Counterman; qualified; Photographic, Optics; nearly four years' Army Hospital staff, Dispenser, Salonika and Malta. Burrell, 39 Falmouth Road, London, S.E.

PHARMACIST (30) requires post as Manager; married; abstainer. Please state salary, 161/4, Office of this Paper.

QUALIFIED, 44, desires post; long experience Counter and Prescribing. Pringle, 20 Lovaine Place, Newcastle-on-Tyne.

QUALIFIED Chemist, thoroughly competent and reliable, abstainer, 41, married, 25 years' excellent London and provincial experience, well used to buying, control of staff, and general management, seeks comfortable permanency. Manager, 228a High Street, West Bromwich, Birmingham.

QUALIFIED Manager requires position where business could be eventually taken over by him, or would buy suitable concern outright. "Thirty-three" (162/2), Office of this Paper.

QUALIFIED Chemist, age 39, seeks situation as Senior or manager, with early view to partnership or succession; South preferred. "Bonâ-fide" (161/6), Office of this Paper.

SENIOR Assistant, married, good appearance, 6 ft., 33 years, excellent Salesman, Dispensing, Window-dresser, Photography, Dental Operator, Fillings, Sealings, Impressions, desires post where more Dental knowledge, Surgical and Mechanical, could be obtained; good salary required; London district or near South-end; after demobilisation. No. 52933 Ptc. Tocs, c/o 52nd Stationary Hospital, Le Havre.

SENIOR or Manager, unqualified, 46, 5 ft. 10 in., good general experience, at liberty shortly. State salary, Gregory, 5 Marble Hall Road, Milford Haven.

SERGEANT Dispenser, R.A.M.C., B.E.F., requires post on demobilisation as Assistant to Chemist and Dentist; experienced as Dental Operator and Mechanic; 16 years' experience of Dispensing and general Pharmacy; excellent references; state salary offered; married. Apply to "B. E. F." (152/35), Office of this Paper.

SITUATION required in high-class Pharmacy, where Dispensing experience can be obtained; Hall qualification, and three years' Retail experience. C/o Deacon, Pharmacist, Bridgwater.

UNQUALIFIED, 24, splendid South Coast experience, eighteen months "National" work, seeks re-engagement. Apply 158/20, Office of this Paper.

WANTED by young lady, post as an Apprentice; Bath, Bristol, or Cardiff. Apply Linda Hancock, Y.W.C.A., Nilsom Street, Bath.

WOMAN Pharmacist desires post; Swansea or district; disengaged January; nine years' experience; Institution, Retail, and private practice. Miss H. W. Davies, Brook War Hospital, Shooters Hill, S.E. 18.

YOUNG lady, 18, holding senior school certificate of London University, desires apprenticeship to Pharmaceutical Chemist. Please send terms, 188 Philip Lane, Tottenham, N. 15.

WHOLESALE.

ADVERTISER, 29, five years' travelling experience Toilet Soaps, England, Scotland, Wales, desires berth; good house. Apply 160/21, Office of this Paper.

ANALYTICAL Chemist (gent.) seeks a position as an Analyst; wide experience in testing various Chemicals and Pharmaceutical products, etc. Apply 159/12, Office of this Paper.

DEMOBILISED (Shortly).—Experienced Representative, age 33, good appearance and address, desires progressive position (when discharged home service); Drugs, Sundries, Packed Goods, Surgical appliances, etc.; previous journey Midlands, Eastern Counties; consider changing ground. "Energetic" (152/36), Office of this Paper.

ENGINEER now open to take charge of large works; wide experience in erecting and maintenance of plant; steam, electric, petrol, motors, punch, and die making, etc. W. Neve, 77 St. John's Road, Wembley.

GENTLEMAN, with 25 years' experience calling upon Chemists, would like to hear of a good Agency (for Scotland); has depôt in Glasgow. "Diligent" (156/10), Office of this Paper.

GENTLEMAN (experienced) requires position as Representative; disengaged. Apply 160/8, Office of this Paper.

MEDICAL BOTTLES.—Traveller, 15 years' sound connection, Lancashire, seeks Agency for makers on commission basis. Apply "Bottles" (161/7), Office of this Paper.

PATENTS AND DRUGS.—Gentleman, with good experience in Patent and Drug house, wishes to better himself; would accept management of department or offers; free end of January. Apply 140/11, Office of this Paper.

QUALIFIED (23), requires position; wholesale manufactures or Laboratory. Apply 144/2, Office of this Paper.

REPRESENTATIVE, ten years' varied experience London and provinces, open to negotiate with good firm; commence February; excellent references. Full particulars first instance. 158/12, Office of this Paper.

REPRESENTATIVE, just discharged H.M. Forces, desires to fix up with reputable house; commencing New Year; salary or commission basis; prefers Perfumery, Toilets, or Sundries; age 32, tall, and smart appearance; excellent connection North of England; interview desired. Apply "Bon Ton" (152/38), Office of this Paper.

REPRESENTATIVE; age 38; seven years calling on Chemists and Doctors in Scotland; just released from national work; open for appointment or commissions. J. Duncan, 383 St. George's Road, Glasgow.

STOCKTAKING.—Advertiser can take a few Stocks privately; terms moderate. Apply 160/50, Office of this Paper.

TRAVELLER, calling on all Chemists, many Hairdressers and Stores, open for side lines; Eastern and South-Eastern counties; small commission and part expenses. Apply 155/4, Office of this Paper.

TRAVELLER, experienced commercial training; smart Salesman, open to represent first-class house; Essences, Oils, Perfumes, etc.; sound connection Manufacturing Confectioners, Mineral-water Makers, Chemists, etc. Apply 121/5, Office of this Paper.

TRAVELLER open to represent first-class house; have represented two well-known Toilet and Sundries houses for twelve years, calling upon Wholesale and Retail; sound connection; smart Salesman; excellent references. Apply 161/28, Office of this Paper.

TRAVELLERSHIP or Agency wanted; first-class connection Wholesale and Retail Chemists over Scotland; good references; resident Glasgow. Apply 158/27, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

WILL someone be good enough to give advertiser some idea of the prospects, for a fully qualified man, in every way, in Canada (Toronto preferred), or perhaps put him in touch with someone who could give the information desired; Wholesale (no experience) or Retail. Apply 152/33, Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. 3. Established 1898. Telephone: 81 Lee Green.

Shares for Sale (free of commission, subject).—105 Allenbury "O" Prefs., 20*s.* 3*d.*; 20 W. J. Bush Prefs., 73*s.* 6*d.*; 350 International Plasmon, 7*s.* 10½*d.*; 200 Meggeson Prefs., bid wanted.

Wanted (subject).—500 Idris "A" Ordinary 2*s.*–1½*d.*, 500 "A" Prefs. 6*s.* 7½*d.*, £1,000 Debentures 60½; 200 Wright, Layman Prefs., 19*s.*; Lewis & Burrows Ordinary and Preference; Parke's Drug Prefs.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

ABOUT 50 gross Knoll's Bromural Tablets (genuine), 1*s.* size, 9*s.* 3*d.* per dozen, 108*s.* per gross; 2*s.* size, 18*s.* per dozen, 210*s.* per gross; also about 6,000 Bayer's Hydrastinine Hydrochlor. Tablets (tubes of 15 tablets .025), 48*s.* per dozen tubes. Percy Arthur, 8 Montague Road, Ealing, W. 14.

CHEMIST'S S.H. Mahogany Drug Fitting, Mirror Cupboards, Glass-fronted Counter, Drawers at back, Wall Case, Dispensing Screen and Counter, Bent-glass Counter Case; good as new; £77; bargain. Mills, Chemist, Shopfitter and Shop-front Builder, Steam Works, 163-5 Old Street, E.C. 'Phone: 556 London Wall.

CREAM of Tartar Substitute, 10 2-cwt. bags offered; plain ½-oz. Ointment Tins, 100 gross; Biomalt., 1*s.* 3*d.*, 16 dozen tins. Best cash offer to "Malt" (161/260), Office of this Paper.

80 gross ½-oz. (1 oz. C.D.) Greaseproof Willowette Boxes, 2*s.* 4*d.* gross; 18 gross 1½-oz. Greaseproof Willowette Boxes, 3*s.* 9*d.* gross; 9 dozen Double Cyan. Gauze 6 jd., 19*s.* dozen; 6 1½-cwt. cases Bar Soap, 70*s.* per cwt. f.o.r.; ½ cwt. Lamp Black, 30*s.* cwt.; 1¾ cwt. Paraffin Wax, 11*d.* lb.; £3 orders carriage paid; samples Willowettes, 2*d.*; cash against *pro forma* invoice. Harris, Chemist, Latchford, Warrington.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

SHOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

8 GROSS slip-on Cardboard Parcel Boxes, 10 × 8 × 5; 1 gross Job Air Pillows; 2 gross Pocket Stoves; offers wanted. S. A. Sheard, Morley.

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CLEAR BLUE TINTED, plain or graduated.
3 and 4 ounce. 6 and 8 ounce. 12 ounce.
WHITE PHIALS, plain or teaspoons.
½ ounce. 1½ ounce.
1 " 2 "
BLUE LOTION BOTTLES, all sizes.
Lowest Market Prices Charged.

CORKS. Superior Quality. No advance in price.
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Established 100 Years.
Bankers: London County and Westminster Bank, Bloomsbury Branch.

WATSONS' OF SHEFFIELD

Want high-class cameras with fine lenses, artificial light enlargers, and vest pocket cameras of all kinds.
***At least* 2/3rds retail given for approved models, in some instances more.**

Is it not better to sell now than to wait till the slump comes? Any cameras on your shelves, and any unsaleable photographic sundries are valuable to us.
Why not sell them now?
You will never have the same chance again.
Ask your nearest chemist friend whether he was satisfied with our prices and business methods.

Cash immediately. Goods returned carriage paid if no business.
Watsons'—The Camera House.
Tel. No. 255 or 27. *New address*, 19 Change Alley, Sheffield.

EXCHANGE COLUMN.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6*d.*

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WHAT offers? 9 lb. Resorcin Med. Powell, Grangetown, Yorks.

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AMMONIA, 3 Winchesters at 3*s.* 6*d.* each (including Winchester) "M.," 41 Newcomen Street, S.E. 1.

3 GROSS 3*d.* and 6*d.* Garratt's Sugarlene, any quantity, post free, less 25 per cent.; ½ cwt. Sturges' Sal Rochelle, 7 lb. parcels, offers per lb., carriage paid; 14 lb. Pulv. Kola. What offers? McGlashan, Chemist, Alyth.

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MICROSCOPE in mahogany case; suitable for students; perfectly new; £2 15*s.*; a bargain. Apply 78 East Road, Hoxton, N.

MISCELLANEOUS.

THREE Reams Untearable Manilla Paper for wrapping; 37 in. by 22 in.; 75*s.* a ream. Pater, Chemist, Sheffield.

4 GROSS Dummy Teats, 3*s.* 6*d.* gross; 4 gross Transparent Bottle Teats, 3*s.* 6*d.* gross; ½ gross Rubber Teats for Lambs, 1*s.* 6*d.* dozen. "M.," 41 Newcomen Street, S.E. 1.

WANTED.

SAPONIFIED Stearin; also Pyrocatechin. Write 249/23, Office of this Paper.

MIXING Machines and Tablet-making Machines. Apply 247/71, Office of this Paper.

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TINCTURE Press; hydraulic; new or second-hand. Full particulars and price to 159/1, Office of this Paper.

DENTAL Equipment, Chair, Engine, Cabinet, Forceps, and any Surgery Fittings. Apply 160/31, Office of this Paper.

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DYES; Diamond or other make; colours, Black, Eosin Pink, Mauve; any size packet. Hatrick, 70 St. John Street, London, E.C. 1.

EUREKA Tablet Machine; 15-gr. suppository mould, cachet machine; electric motor (230 v. alternating current). Wood, Chemist, Seacombe.

COPPER Steam-jacketted Tilting Pans required; capacity 40 to 50 gallons. Apply, giving particulars and lowest price, 248/52, Office of this Paper.

HEXAGON Blue "Not to be Taken" Bottles, sizes 2 oz., 4 oz., and 16 oz., required by London firm; regular buyers. Manufacturers or dealers please write, with prices, The Coal By-Products Co., 112 High Holborn, W.C. 1.

COLTON Pill-making Plant in good condition. Apply 242/60, Office of this Paper.

3-, 4-, 6-, and 8-ounce Lotion Bottles, best quality; also round or square Cartons for ½ to 6 lb., dry colours. Samples and prices per 1,000 to Texalo Manufacturing Co., Trafalgar Square, Blackpool.

OLD Bell Metal Mortars, with inscriptions or early dates. Crawford, Chemist, Horley.

WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

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Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO., LTD., 1 New-street Square, E.C. 4, and published by the Proprietors at 42 Cannon Street, in the City of London. *December* 14, 1918. [90]

THE ANGLO-FRENCH DRUG CO., Ltd.

Gamage Building, Holborn, London, E.C.1

Telephone: HOLBORN 1311. Telegrams: "AMPSALVAS LONDON."

WEST-END DEPOT: MODERN PHARMACALS (Managing Director, J. G. GORDON, M.P.S.), 48 Mortimer St., W. 1.
Telephone: MUSEUM 564.

SPECIAL PHARMACEUTICAL PREPARATIONS.

BIOSULFOL.
Assimilable Sulphur Colloid. Entirely absorbed. For Chronic Mucous Affections, Rheumatism, Skin Diseases, &c.

CUPRASE.
Specially prepared CHEMICAL Colloidal Copper for CANCER. Has given most encouraging results in a good number of cases.

CYTO-SERUM.
Intensive Strychno-Arsenical Medication for Pulmonary Tuberculosis, Syphilis, Pernicious Anæmia, &c.

DIABETIFUGE.
A successful Anti-Diabetic. Gives most satisfactory clinical results (formula given). Administered in Cachets.

KINECTINE.
A Quinine Salt of Hectine. Prophylactive and Curative for Hay Fever, Rhinitis, Influenza. In Tablets.

Tested as per L.G.B. Regulations.
GALYL.
(Safe substitute for Salvarsan.) Intravenous and Intramuscular. Malta Fever, Malaria, Frambœsia, Sleeping Sickness, SYPHILIS.

HECTARGYRE.
A combination of Hectine with Mercury. Intramuscular Injection; also in Pills and Drops.

IODARGOL.
Electro-Chemical Colloidal Iodine in various forms. Specially successful as an Injection in Gonorrhœa. Painless.

MERSALV.
A fine Mercurial Cream. Contains 10 per cent. Metallic Mercury. A non-greasy preparation, entirely and quickly absorbed.

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For Constipation. A combination of pancreatic, biliary, and intestinal secretions. A normal regulator of the intestinal functions. Tablets.

URASEPTINE.
Composed of Urotropine and Helmitol. A powerful Urinary Antiseptic. Dissolves and eliminates Uric Acid.

COD LIVER OIL SUPERSEDED BY

(REGISTERED)

EASILY DIGESTED.
OF AGREEABLE TASTE.
DOES NOT PRODUCE NAUSEA.

COMPOSITION.

MORUBILINE is the extract of the fresh liver of the Cod, the effect of which is improved by the addition of Assimilable Phosphorus, Iodine, Tannin, Methyl-Arseniate of Sodium and Sulpho-Guaiacolate of Potassium.

Owing to the high price of

COD LIVER OIL

we are introducing **MORUBILINE,** which will be found to effect a considerable economy in price, in addition to which, being a concentrated extract, it contains the maximum active properties of **Cod Liver Oil** in the minimum of vehicle, and **the large quantity of oil, which is unnecessary and even harmful, is eliminated,** and the putrid intestinal fermentations are avoided.

INDICATIONS.

Same as Cod Liver Oil.

PRICE.

4/3 per bottle, stamped.
3/3 ,, unstamped, for dispensing.

DRUGS AND CHEMICALS.

Quotations given for Large or Small Quantities — of — Fine Chemicals and Drugs direct from Paris.

We shall be pleased to receive Manufacturers' latest Lists of Lowest Prices.

THE BRITISH DRUG HOUSES LTD

TRADE MARK.

Revised Prices for P.A.T.A. Lines

OWING to continued advances in the cost of production the selling prices of the following articles have been increased, as from Nov. 1st:

	Retail Price (P.A.T.A.)	Wholesale Price Per Dozen, NET
CARBONIC ACID BATHS	2/3	18/-
CARLSBAD SALT (SQUIRREL BRAND)	2/3	17/6
FROZEN FOAM, small	10½d.	7/3
large	1/3	10/6

THE BRITISH DRUG HOUSES, Ltd.

22-30, Graham Street, City Road, London, N. 1.

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